ttattagcat ttcctgatat tcctttgtcc atatttctac ttataacctg ttgctattaa 720
tggttttaga tgtatctctt gttatctgca tctcattgtt tattgtattt tgaaccaatc 780
tacaagtctc tgtcttttaa taaaagaact ttacacattt gtaaaaaaga ggttcttggt 840
aagatataaa atggaaaaag gctaagtaat atgtgaatat catatttttg aaaggtaaaa 900
agtacatttg tatattacat atatggacat aacttgtgaa ggatgaaaga aagtacagcc 960
tctcggtggt gggattatga atgatttttc tccttttgct tgtttgtatt ttctatattc 1020
ctaaaattaa cacacattat tattgctaga ataataaaag ttttataaaa aagaaaaaaa 1080
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaan gggggg 1126

<210> 1680
<211> 630
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<400> 1680
accctcacta aagggacaaa agctggggct ccaccgcggt ggcgnccgct ctagaactag 60
tggatccccc gggctgcagg aattcggcac gagaaatggt catgcctcta cggatcagtt 120
aagtgaagaa aaggagaaag gggcatgtgg ctgttgagaa gtcaagtaag ygacatagta 180
gttcaggtgg cccatgcctg ggatcttctc tatgattgat acatggcaca gtgagagatt 240
aatgggcatt gtgtacaaat tgcttctcac catccccatt agacctacga ataaagcatc 300
cggttctaaa attaatttgt tgcagctttg taaatatttc tttaagattc agcctgagag 360
ttaggrgaaa tatttcagag ccaaaagtgc cttatacaac cttagcctat tatagtraak 420
cattcaaggg attcagaatt tttggcagtc acargaagag tgtatttatt atgtagratg 480
gaatgagggt acctgtcacc ctgcccttaa ntgtaggtag ggccccagag tcttaccatt 540
ttaaggatct ttaccatgcc aggtttataa aaacccggcc accaggtctt tcaatccagg 600
attttgaaag gcttcattgc ccatagggtg 630

<210> 1681
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<400> 1681
gcgataggct atagcatgtt tatgactctg gtttctttct cttcaggtgg ttttatacca 60
ttactgttaa tgttatttta acttggcatg tataacattg ccatatagag tagagtagaa 120
agttgcaaat tttgatagtt tacagagtta aacactaaac atatccaaag tccatttaga 180

gttttgggtg ttgtattttg ccatttttgt gatgtgtggc cttttattct gtaatctctt 240
ctaaataaaa cattgaacat ccagcaaaca taaaacctgc ctcatttgaa aaggaatttc 300
aaaattccaa ttaataggat tctctagaga gttttgtact ttaatatttg tcagtgtagt 360
gtcaactctg ttaccaaggt agcttcttgg taaatccagt agctactcaa tgctatttgt 420
actgaataaa gcaattatta acatgatact tcccactatt gattaatgca atattgatat 480
atttggcgtt gtggtagctg ttgcagaatg aatagtgtaa tgaccataag attgcttgga 540
aaattgtaat mcagatatcc acaatgaatt ctttnccaaa atttttttt ccgatgataa 600
aagtagtaga tg 612

<210> 1682
<211> 1194
<212> DNA
<213> Homo sapiens

<400> 1682
gcaaccaggt ctacttttta atggctttca taacactaac tcataaggtt accgatcaat 60
gcatttcata cggatataga cctagggctc tggagggtgg gggattgtta aaacacatgc 120
aaaaaaaaaa aaaaaagaaa ttttgtatat ataaccattt taatctttta taaagttttg 180
aatgttcatg tatgaatgct gcagctgtga agcatacata aataaatgaa gtaagccata 240
ctgatttaat ttattggatg ttattttccc taagacctga aaatgaacat agtatgctag 300
ttatttttca gtgttagcct tttactttcc tcacacaatt tggaatcata taatataggt 360
actttgtccc tgattaaata atgtgacgga tagaatgcat caagtgttta ttatgaaaag 420
agtggaaaag tatatagctt ttagcaaaag gtgtttgccc attctaagaa atgagcgaat 480
atatagaaat agtgtgggca tttcttcctg ttaggtggag tgtatgtgtt gacatttctc 540
cccatctctt cccactctgt tttctcccca ttatttgaat aaagtgactg ctgaagatga 600
ctttgaatcc ttatccactt aatttaatgt ttaaagaaaa acctgtaatg gaaagtraga 660
ctccttccct aatttcagtt tagagcaact tgaagaagag tagacaaaaa ataaaatgca 720
catagaaaaa gagaaaaagg gcacaaaggg attggcccaa tattgattct tttttataaa 780
acctcctttg gcttagaagg aatgactcta gctacaataa tacacagtat gtttaagcag 840
gttcccttgg ttgttgcatt aaatgtaatc caccttttagg tattttagag cacagaacaa 900
cactgtgttg atctagtagg tttctatttt tcctttctct ttacaatgca cataatactt 960
tcctgtattt atatcataac gtgtatagtg taaaatgtga atgacttttt ttgtgaatga 1020
aaatctaaaa tctttgtaac tttttatatc tgcttttgtt tcaccaaaga aacctaaaat 1080
ccttctttta mwamaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcggccgt ttta 1194

<210> 1683
<211> 1014
<212> DNA
<213> Homo sapiens

<400> 1683
acacctccaa cagactctca ttaagattca gttatttccg ctccccagcc ccacactcct 60
ttcagattat cgttcatggg cgtaagtctc ttctcagagt taacaagtct ttggtagtca 120
tcctctgtcc aaatattgta tattattaaa aggcattttt aataattacc agaattagct 180
caaaccttta gggatctttc agccatgatt attaaggata tgtatgtgaa tttttgggaa 240
acctctcggt gctggatgcc agcctacagc agggtccatt gctggcaatg gatggcccag 300
gaaggtccct agagatcact cacttgaaaa atgagggtcc catgaaagta tttggttgcc 360
ttctgatgcc acttcttctc actttacttt ttgcttattt tcaaaatatt ataaaatgtc 420
aacatataat ttcagaaagg caggtggggg taggggagaa atgaatgaat aaattctcta 480
ggtatttaga aagataagaa actgaagacc gagagactaa taaggctgct tacctaatta 540

ttataatcat ttcatttgcc tgaatgtttt aagcaggaag tagaaatact ttggctgccc 600
aaatgtatct tttgttcctc ttagaagtaa aataagctac atacaataaa aatttatttc 660
agaaccccat ttctagaaaa taccacccca gagtcctcat ttgatagcat ctgtctcctg 720
cagacctcat cattccacag tatttccctg ccatgtaaaa atcctgactt tgtgcgtata 780
taaaatgtat gcaattaagt ctgtttaaat gatatttaag ttttaaagac tgtattttgt 840
tgacacatac tttgtgcagt ttttatgtat gtatgtatta taaaaaaagt taaggttaaa 900
aacatctcat ttaatagtga gttcactatt ttttttttt tgtctctggg ttgtaattta 960
ataatcttca aacaaaatgt ttacgaaaaa tgccaaagat tctaaatctt aaaa 1014

<210> 1684
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<400> 1684
ggaaaagcac ctacaagaga gctgcatgga gctgtgggtg catttcctgt taccaccagg 60
gcatcccaga atgctgacaa agagaaaact aagaccttcc cactctgatt tgttacatgt 120
cataacacca agcaagtgac agaggagaca attatggggc ccagaggaag gtgcctgtat 180
catgtagaca aaatccaaag cagcttgttt cagacaaaac attttgcttt ggaaactttt 240
gaaacttcca tggccgttga atatagcaga gatgatctaa aaattttaga agcggttgag 300
gtacccgtgg taggggcaag gcatgggagt ggtgatcctt aaggggcttg tctttagttt 360
gagggccaca cacagaggag gtgggcagaa aactgaggtc tycccagagc agctttycag 420
acnaaaaaaa a 431

<210> 1685
<211> 569
<212> DNA
<213> Homo sapiens

<400> 1685
gcggacgcgt gggttgacta ttctgaggac aagagtagtt gggacaacca gcaggaaaac 60
ccccctccta ccaaaaagat aggcaaaaag ccagttgcca aaatgcccct gaggaggcca 120
aagatgaaaa agacacccga gaaacttgac aacactcctg cctcacctcc cagatcccct 180
gctgaaccca atgacatccc cattgctaaa ggtacttaca cctttgatat tgacaagtgg 240
gatgacccca attttaaccc tttttcttcc acctcaaaaa tgcaggagtc tcccaaactg 300
ccccaacaat catacaactt tgacccagac acctgtgatg agtccgttga ccccctttaag 360
acatcctcta agaccccag ctcaccttct aaatccccag cctcctttga gatcccagcc 420
agtgctatgg aagccaatgg agtggacggg gatgggctaa acaagcccgc caagaagaag 480
aagacgcccc taaagactga acatttargg tgaaaaagtc gccaaaacgg tstyctytyt 540
ctgatcacyt tccaggaccc acccaagtt 569

<210> 1686
<211> 922
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (904)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (912)
<223> n equals a,t,g, or c

<400> 1686
cctcatagca ggcatccaac acggctgcca ggatatcggg gcccgcagcc tgtctgtcct 60
tcggtccatg atgtactcag gagagctcaa gtttgagaag cggaccatgt cggcccagat 120
tgagggtggt gtccatggcc tgcactctta cgaaaagcgg ctgtactgag gacagcggtg 180
gaggccgagg tggtggaggg gatgcacccc agtgtccact tttgggcaca gcctccctcc 240
ataactgagt ggtccacaga tttgcactac gggttctcca gctcctttcc aggcagagag 300
gaggggaggt cctgagggga ctgctgcccc tcactcggca tcccctgcag agtcaggact 360
gctcccgggg ccaggctgcc ctgggagccc ccctccgagc ccagccagcc aggctctcag 420
gccctgcgcc tgcctcaggt ctttcttgct gcagcctgct ccagcctggc ccccacccca 480
ggggcaggcg gcccctcctg gcttctcctg tagggcacct ccctgccccc agcctcccag 540
gaaatggtgc tctcctggcc ctgcctctgg cccttcccsg gccgctgccc ctcagccatg 600
tggcacttct gagctcctga cctaggccaa ggggaggtct ctgccccctt ccccggccct 660
gggctaccct tgggtcctgc tcctcaggcc gctcccctgt ccctggccat gggtaggaga 720
ctgccctggt catggccgcc tgcctgtcat tcctgactca ccaccgtccc caggtgaacc 780
attcctccct tctcctcagc tgcagtcgaa ggctttaact ttgcacactt gggatcacag 840
ttgcgtcatt gtgtattaaa tacttggaat aaatcaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaanaaaaaa anaaaaaaaa aa 922

<210> 1687
<211> 1596
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1498)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1558)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1589)
<223> n equals a,t,g, or c

<400> 1687
tcaccgggtg cgccgtctag actagtgacc ccgggctgca ggaattcgga cgagggcgcc 60
caggttcttt agtggaagaa cgcgaagcga ggatgagtga tccgtggagg cagtaacagg 120
cgcggcgagg gagaagtgat tcccgaagaa tcaaggctgg gccggacccg gtggcctggc 180
aacagggtaa taagagaaat gaagccaaca ggtacagacc caaggatctt atctatagct 240
gctgaagttg caaaaagccc tgagcagaat gtccctgtta tactgttgaa gttaaaagaa 300
ataataaaca tcacaccttt aggaagctca gagttgaaga aaatcaaaca agatatatat 360
tgttatgatc tcattcaata ttgcctcttg gtcctcagtc aagattattc tcgaatccag 420
ggtggttgga ytacaatttc ccagcttaca cagatattaa gccattgctg tgtgggcttg 480
gagccaggag aagatgcana ggaattttac aatgaattac ttccatcagc tgcagaaaat 540
tttctagttt tggggagaca attmcaaaca tgttttatca atgcagctwa ggctgaagaa 600
aaagatgaat tactacactt tttccaaatt gtgactgatt ctctcttctg gcttttggga 660
ggccatgttg aacttattca gaatgtacta caaagtgatc atttcttaca tttactgcaa 720
gctgacaatg tccaaatagg atctgcagtc atgatgatgc tacagaatat aytacagatc 780
aacagtggtg atttactcag aataggaaga aaagccctgt attcaatttt agatgaagtt 840
attttcaagc ttttttcaac tcctagtcca gttataagaa gtactgctac aaaactccta 900
ctgttgatgg ctgaatccca tcaggaaatt ttgattttac tgagacaaag tacctgctac 960
aaaggactca gacgtctact aagtaaacag gaaactggga ctgaattcag tcaagaactt 1020
agacagcttg ttggcctttt aagcccaatg gtctatcagg aagtagaaga gcagaaacta 1080
catcaagcag catgcttgat tcaagcctat tggaagggtt ttcagacaag aaagagatta 1140
aagaagcttc catctgctgt gattgctttg cmgaggagtt tcagatccaa acgatcaaag 1200
atgttgctgg agataaatag gcagaaggaa gaagaggacc tcaaattaca attgcaactt 1260
caaagacaga gagccatgag actttcccga gaattgcagc tgagtatgct cgaaatagtt 1320
catccaggtc aggtggagaa acactatcgg gaaatgggaa gagaaatcag cactgattat 1380
ccagaaacat tggaganggt acanggaaag gaaaaatttt caccaacaga ggcagtctct 1440
catagaagta taaaagcaac tgtcacactt caaaagagca agcgctttaa attcctancc 1500
gaaattgncc gttangaaaa aaggaaacta ttttgcctcc cttgggcgaa gggacctncc 1560
aaagaaacct caacctgaaa tgccaacgnc cccaaa 1596

<210> 1688
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 1688
ataaaagaag caatcacccc cacattttcc cctgccaacc acttgcctgt accaagtgtg 60
agctctgaaa ggggaagtct ttaaggttaa acaagtgttg aagtcttaat ttttttatt 120
acatggactt taccaaactg acttttgtt tgtntctttt tagtggctag aagtgacccc 180
aggatttttt tattatcaag agagactaga agaatcatga gacttttcct agttgccttt 240
caagaatatg aagaaaaaaa tggttctcaa agtgggtttg aatgagtatt gttccaataa 300
atgaacttat attcataaaa aaaaaaaaa 329

<210> 1689
<211> 1273
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1273)
<223> n equals a,t,g, or c

<400> 1689
tccgnaattc ccgggtcgac ccacgcgtcc ngttagtaac tacttcaatg atcatttcac 60
aagaaaaaga ctataaatta agtagaganc aacattttta ttgaacattt ttggcttgca 120

atcaaacttt gccactaaaa attaacttca taaaacacta gtccgttatc aacttcttca 180
cagagaaagt agctatacta taccctacat atttatttat ttattattct actatagcag 240
aataacaaaa cttgatgcat taagccagtt ctttgcaact gaaaattacc tgtttctcct 300
tccctttcac actccatgta tatatgatca gcctctccat taaaaagaag ctggacatgc 360
aartacatca tattatgttt tctccatatt ttatgttttt ctatgtatct gaatacagtg 420
ggataaataa ttgaaagtag tgttcctatg gcattagtgt ttttgtgaga agggtaaatg 480
tagtgagaaa ggtttttca tggcattaat aagaaagccc ttctgtaata tatatattat 540
tttgtaaaca tttcactgaa gggccaaaag ttaaattata actaaatcac tgtgttttca 600
gaatgatatt taacaacaaa cccgtggtca aaccaaaata gtgggttgaa gtgtattatt 660
catcttttag tgcattggca attgcaaaaa aaaaaaagga atttaatata aggctataga 720
gattaattca gtgtctaaca tttgtattta tttaaatagt tattgaccta tgatgacttt 780
ctagtcttaa cattttayct ttttattgtt gttgttcttc ctttcaaaga tgtggttctt 840
aataggttca ctgaatgcac agttgaggca cttcttgtga caccagttcc caagtagcgt 900
taataattgg gcctgtgtca taaaatgcac ggatcattaa taactaaatg tccctgacac 960
ttttcactac agggctggac ttagtaactg accaacttcg gggggagggt tggggcaagg 1020
gggggtgggc gttagaacat gatcaaaaaa tgtctccgct cagggattta tggtggatta 1080
ttgcagacag tgctaaaaat atagagcaca agacaagttt actaaattaa aattttattt 1140
tttgagaaac tgttatttgt ataaattatc aagatttgta ggctttcctt ttgtagaaat 1200
aattgtttta tgtgccagag aatttcaatt ttgttttcaa caataaagca ttgataagaa 1260
anaaaaaaaa aan 1273

<210> 1690
<211> 1020
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (859)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (986)
<223> n equals a,t,g, or c

<400> 1690
ttttttttt ttttttttt ttttttgkat taratttttt ttttcctagt accttccagc 60
tctaaaaaaa tttgaaatag cataataaaa gacaaaakga aaacgaaatt ttaattgkaa 120
tattttctgk cacagcagca tatgtatatt tgaaatactg gtaacaattt taaggtagca 180
ttctgtggta ttaatattta ttaatatgct catgaacttc taagtgccac accagacata 240
tagactcttt actttaaaag agcatatatt taaggcattg aaatggatac agctatattc 300
attctcaatt gtcttaggct attatatgga aagatatgtg tcaattatag gtaggtaggt 360
aggtaggtag attttctgga aacacagaag tacttgacgg agagttaggc ctgtattcta 420
taaatctatt aatggtagca aagtgcataa gacagggatt tctttgagat gaaaggagtg 480
ctgaagaaga gcattggaat taatatttgg atgtggtatt gtgaaattca atgggtaaag 540
taaccctaat gtgggaataa aagtcaaggg aaaggtcttg aataagtaca cagaaaaata 600
ggctaaaaat attaagggga gggaaattgg aatacaggga gacagtgtgc aagaaagcaa 660
gccaggaatc tgcctatgtg gtagacccaa ccattactac ttgaaccccc ttagaaaagc 720
ttttccagca ttccataact caggttcctc atttataaag tgggaaactc ataattgtcc 780
tacctacctc acaggggtgt tgtgaggatc aaaggaacag atgaatgtat gagcactttc 840

agacatgtaa ggcactgtnc atgtaacaag taggggaaag actctgggag cacattagtg 900
ttgggtgtgt gccaagcccg tgggttgttt ggaccgtaag ggatkatttc aagttaggga 960
gggagggaag agaagktggg cwttgnttat taaaggttgt tgttacacac cttagggttt 1020

<210> 1691
<211> 1636
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<400> 1691
caagtntaag ccccanattg ctgctctgaa agaggagaca gaagaagagg tgcaagatac 60
aaggctttag agagcagcat aaatgttgac atgggacatt tgctcatgga attggagctc 120
gtgggacagt cacctcatgg aattggagct cgtggaacag ttacctctgc ctcaraaaac 180
aaggatgaat taagtttttt ttaaaaaaga aacatttggt aaggggaatt gaggacactg 240
atatgggtct tgataaatgg cttcctggca atagtcaaat tgtgtgaaag gtacttcaaa 300
tccttgaaga tttaccactt gtgttttgca agccagattt tcctgaaaac ccttgccatg 360
tgctagtaat tggaaaggca gctctaaatg tcaatcagcc tagttgatca gcttattgtc 420
tagtgaaact cgttaatttg tagtgttgga gaagaactga aatcatactt cttagggtta 480
tgattaagta atgataactg gaaacttcag cggtttatat aagcttgtat tccttttttct 540
ctcctctccc catgatgttt agaaacacaa ctatattgtt tgctaagcat tccaactatc 600
tcatttccaa gcaagtatta gaataccaca ggaaccacaa gactgcacat caaaatatgc 660
cccattcaac atctagtgag cagtcaggaa agagaacttc cagatcctgg aaatcagggt 720
tagtattgtc caggtctacc aaaaatctca atatttcaga taatcacaat acatccctta 780
cctgggaaag ggctgttata atctttcaca ggggacagga tggttccctt gatgaagaag 840
ttgatatgcc ttttcccaac tccagaaagt gacaagctca cagacctttg aactagagtt 900
tagctggaaa agtatgttag tgcaaattgt cacaggacag cccttctttc cacagaagct 960
ccaggtagag ggtgtgtaag tagataggcc atgggcactg tgggtagaca cacatgaagt 1020
ccaagcattt agatgtatag gttgatggtg gtatgttttc aggctagatg tatgtacttc 1080
atgctgtcta cactaagaga gaatgagaga cacactgaag aagcaccmat catgaattag 1140
ttttatatgc ttctgtttta taattttgtg aagcaaaatt ttttctctag gaaatattta 1200
ttttaataat gtttcaaaca tatataacaa tgctgtattt taaaagaatg attatgaatt 1260
acatttgtat aaaataattt ttatatttga aatattgact ttttatggca ctagtatttc 1320
tatgaaatat tatgttaaaa ctgggacagg ggagaaccta gggtgatatt aaccaggggc 1380
catgaatcac cttttggtct ggagggaagc cttggggctg atgcagttgt tgcccacagc 1440
tgtatgattc ccagccagca cagcctctta gatgcagttc tgaagaagat ggtaccacca 1500
gtctgactgt ttccatcaag ggtacactgc cttctcaact ccaaactgac tcttaagaag 1560
actgcattat atttattact gtaagaaaat atcacttgtc aataaaatcc atacatttgt 1620
gtgaaaaaaa aaaaaa 1636

<210> 1692
<211> 835

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (832)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (833)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (835)
<223> n equals a,t,g, or c

<400> 1692
caaaaaaaag aaaggaaaaa cagggccagg tagccattkt ggagagagca cacttaggaw 60
tcctgggatg ttagtkttaa aagaaagctc ctggagccag tgattctcag gtttgtccca 120
gaaccctttt ttctaagccc catataaaag gtagattaaa aaaacaaagt agcatgagtg 180
aaattgagag agggacaggt aatgccttcc agcccctaac ttctaacaat ctggaagcac 240
aacgtgaaaa tcackkagcc caaccctatc attttcatat tatgaaactg agtccaggta 300
agtgaatctg tccaaggtca cccagcaagg tatcagtagc cctgagggta aggactctga 360
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tgtctggaag gctgatccac tgctgggccc acatcaaagc ccccatgggg agcagacccg 480
actgcacatg gctcttttgc tggaagaaga gcatggctgc gcagaggact aaaatttcat 540
ctgggaaggc ttcttttgac tgtcagtagc aggatgtcac cagatgaggg tgctatggga 600
ccacagctgt ctttgttccc attgcaactc aaccctgcrg gaggccgcct gcatccctga 660
gagccttctg gagcctacag aggagacatt ggccagccaa aaggaaagga gtggccaggg 720
tacgacctgg agtagggaag ggaaaaagtt cccggaaaga agagaattgg atgagaggtc 780
tcggtggaaa taaaggtttt ctggcattgg tcaaggaaaa aaaaaaaaaa annan 835

<210> 1693
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (597)
<223> n equals a,t,g, or c

<400> 1693
gtttgaccct acgtggaagc ctacaagaag gggaattctg ggcaatgtgg ttcagcccag 60
ccacatcaca tactattatt tagtagtcat gaagagagag acataggtaa aaacagcagt 120
tagtatttct tcattctgat atctggcagc aagtgagtga tgctaccatt atcggctaaa 180
atcaggaact ggtattaatg cattttgttt tgttttgttt tctgctttat tctcctctgt 240
catagacagt gaagagtaag tgaagaattt gagggtcatc aaccattgtg aactcatcaa 300
agttagtagc acttaaaatt tgcttttaaa atgaatggaa agatkccaag ttttyaatag 360
cacaaatatt ttttttctcat ttgtaccttt tttttgtctt ttgtatacag atattcccac 420
tctggccact gcccaaaggg gctcttatct gaggaatact gctgacttcg agtacctagt 480
tttacagagc catctttctg aagcataaat tanattacat tattctacag cttaaatccc 540
tcctgaactt cccatcaccc caagagtgga tctgaaacgc cttanagtgg cattcangac 600
ccttctg 607

<210> 1694
<211> 1273
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (838)
<223> n equals a,t,g, or c

<400> 1694
ggggcgagcg aggaggatgg cggagtcggg gctcctgacg gaactctaat gaatcattga 60
ttgaccagca ctattttacc agttggaatg aatgatcaga aatgggcata gtgcttttag 120
atccaacatg taacagatgg atgttactcc atgctgatta cttcttcaag ccagtacttt 180
tttgattgtg taggatcttt gtctcttcat ctttgaattc aattactgga aaataaaagg 240
agttcatgta gtttttgtcc aggcttgagt caccatgagt agtagtttag gaaaagaaaa 300
agactctaaa gaaaaagatc ccaaagtacc atcagccaag gaaagagaaa aggaggcaaa 360
agcctctggg aggttttggg aaagagagca aagaaaaaga acctaagacc aaagggaaag 420
atgccaaaga tggaaagaag gactccagtg ctgcccaacc aggggtggca ttttcagttg 480
acaatacgat caaacggcca aacccagcac ctgggactag aaaaaaatcc agcaatgcag 540
aggtgattaa agagctcaac aaatgccggg aagagaattc aatgcgtttg gacttatcca 600
agagatctat acacatattg ccatcatcaa tcaaagagtt gactcaatta acagaacttt 660
atttatacag taacaaattg cagtccctcc cagcagaggt gggatgttta gtaaatctca 720
tgacactggc tctaagtgaa aattcactta ccagtttgcc tgactctctt gataacttga 780
agaagctgcg gatgcttgat ttacggcata ataaactgag agaaattcct tcagtggntg 840
tataggctgg attctctcac cactctttac cttcgcttta atcgtataac tactgtggaa 900
aaggacatca aaaacttgtc aaaactcagc atgcttagca ttcgagagaa caaaattaaa 960
caactacctg ctgamattgg tgaattatgt aacctcatta cgctggatgt agctcacaat 1020
caacttgaac accttccaaa ggagattgga aactgtacac agataaccaa ccttgacttg 1080
cagcacaatg aactgctaga cctcccagat actataggta tgagaggaga raggagakat 1140
tgatagctgt taatagctaa ctggatatta ataggactat ttttgatcca tttggtaatg 1200
aaaattcagg agtaaaattc acaattacca aagttgtaaa acttttaaga taatatttta 1260
aaatcatttt tca 1273

<210> 1695

<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 1695
ctatggtgtg ncctgtactg gcacttttat tctggttttg acttgactta gattgtntga 60
tactttggtt ttggttttgg ttttgacctg gcttgggttt ttggatactc tgattttggt 120
ttggtgtaaa ctgcaaaagt gtgtgtgccc tgtttttttg ttttgtagtg caygtgtggt 180
gtgrgygtgg tgttttgtct cgaagaagca tgggtcaggt acaaataagc ccaccccact 240
aggaactatg ttaaaaaaaa attcaagaaa gaatttaagg gagattacag tgttactgtg 300
acaccaggaa aacttagaac tttgtgtgaa atagactggc cagcattaga ggtgggttgg 360
ccatcagaag gaagcctgga caggtccctt gtttcaaagg tatgacacaa ggtaacccgt 420
aagccaaggc acccagacca gtttccatac atagaaagtt acagctgctt ttatacccca 480
ttgccccgcc aacgtagtta agagaacagc agcataagcg gctggcagag gcaaggaaag 540
accagtagag agaaaaaaag gccatctata ccaattctaa gttaatttag actaaacaag 600
gtcttaatag caaaggataa ttgaaatccc aaacttacaa ggttttcaac aaaagtgaag 660
tttgcttaaa gttaacagtg taacatgtat tatggtaact tctaatcttg tggccttaga 720
cagtctagtc caaaggcata aagaaagttt gctttaaaaa aaaaaaaaag gaatggttat 780
cttcaaaaaa aaaaaaaaag 800

<210> 1696
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 1696
ccagcacttt gggaggccga ggcaggtgga ttacctgagg tcagcagttc gagaccagcc 60
tgaccatctc tactaaatgt acaaaagtga gctgggcatg gtggcgggca cctgtaatcc 120
cagctacttg ggagactgac gcatgagaat cgcttgaacc tgggaggcga atgttgcagt 180
gagccgagac cacaccaccg cactccagcc tgggtgacat gagtgagact ccatctcaaa 240
aaagtaaaat aaaataaatg gattaaagac atgaatgtaa aatacaaaaa gtcaaatcca 300

agaagaaaat tatgkttatc gtaggagtga gtgtgaagtt aggaaaccca aagaaacaac 360
gggcaagggg gatgaacaag cagtttacag acacggaatt cagatcgcca ggaaatatgt 420
gaatggtgtt cgagtytgcc ggtattccat atgcaaatta aggcaacact gtgctcagtg 480
gctggcacag cattgnccaa ggcagtaagc gctattna 518

<210> 1697
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<400> 1697
cggaatagtg ggttttgctg caaccggttt attttccttc tgttttcacc cattctggca 60
caatctggcg ccatcgtcct tcttgtgagg ccaagcctga aaatgcgaag cagagaggca 120
ggaccaaaat tgaggcgaat ccaggaacct gccaatgggt ctccgggtgc ggtctctgaa 180
actggaggat atcgggagga aaggctctcc gatgcggaga taatggggaa gctcttggca 240
tggttggctg taggtatgtg ataccggagg agcaggagtc aaataggata cgccgacttt 300
taattcaagg aacccttttc tgaaacactt tgccacaatg aaggaaataa ggaattgtac 360
tctcagagat gttgagaaaa gatacatggg tcttgggaag ataattactc aaaatatgca 420
gggaagggat ctagtttgga agcacttaag gaagaattaa gacctccagt ttggaaaaga 480
gggcttctat caggaacaac acganttctg cttaaantgg aagccaagaa caaacctcca 540
atnt 544

<210> 1698
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<400> 1698
gaagaccctg gctctctata aaacagaaaa cgcaaacttt aatattatca acaatcaata 60
tattataaga gattgcaatt tctaagtttc tacctgagtg tttcacaaat acaaactgga 120
cattttccct ttaaatgagt tttattataa aatgtacata ttgattgtaa aaacaaaaaa 180
ttcaaatagt acaaaascat ataagtaact aataaaagct ccctttctgc attaggcccc 240
tcagttcttc ccagggaaaa tgattaatag tttacattct tgcagaaatt ttttatgtat 300
aaatttttac ccaaatgaat tcattatata aatttttttcc aacttagtgt ttttttacat 360
aataatagca agtttaaaaa ttgttcttca ggccangcac gggtgggtca cgcctgttta 420
tctcacactt tgggaagctg aagcaggaaa acacttgaag tcagganttc aaaacaaccc 480
tggccactgg tgaaaaccnt ctctactaaa ttacaaaatc acttggcttg gt 532

<210> 1699
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 1699
gcaacatttg tkaaaagtag agggctaaag taacacccct ctaagcattt gttttcagta 60
cttcctagga gtggttgcat ttgggaatgg aattgttaaa acttgatgct taggagcgta 120
tgctgactat tcactgcgtg gtggggtgga gaggaggagg aggtatgcag ggagaagggt 180
tctgtgcnc 189

<210> 1700
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (638)
<223> n equals a,t,g, or c

<400> 1700
aattcccggg tcntcccacg cgtcnttnag agagcgagag gaggttttga gagaggagat 60
tcagacactt accagcaagc tccaagaatt gcaagaaatg aagaaagaag agaaagagga 120
ttgcccggaa gttcctcata aggtacagtg accattcagt tgagtctccc gtcaggtgcg 180
gtgagacttt ggtcgtgacg gttctgaccg tttccctgtc cagagttttt tctgaccagc 240
cactgaaaat cccactcccc tttatcatca ccattgattt ctataactca tgtcgtgtgt 300
atcgaagtcc gggttttgga ttaattgact gtcagcaaat tgacttctcg aactgatatt 360
tgagtctcaa ggctggtgag taaagagttt tccaaatctt ggtcatgcgg agggtgtagt 420
tatgcggccg gagctgtcac tgagaggcag gaggggcttg gggggaaagg acgaaggctc 480
aaccaggccc ctgcatggac ctgggcatgc gtcctctnct ctcatctaag ttccagaaca 540
caagttggca aaagcctcag cgggcactgn cctctgggtg gggtggggct ttctgtgccc 600
ttccttgccg tnacttcann ttgtgcacgg gttgaaan 638

<210> 1701
<211> 695
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (678)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (691)
<223> n equals a,t,g, or c

<400> 1701
ggccctggtg agtgtcctca ccaaggagta tgaggacgcc gtcagcatcg ccacggcagt 60
gcttgtcgtg gtcactgtcg ccttcatcca ggagtacagg tcggagaaat ctctggaaga 120
gctgaccaag ctggttcctc cagaatgtaa ctgcctaaga gaaggaaaac tccagcacct 180
gcttgctcga gaactggttc ctggtgatgt cgtatctctc tcgatcggag accggatccc 240
tgcagacatc cgactcactg aggtcacgga cctcttggtg gatgaatcca gtttcaccgg 300
ggaagccgag ccatgtagta raacagacag ccccttgaca ggcggtgggg amctcaccac 360
cctcagcaac atcgtcttca tkgggamcct rgtgcagtat gggargggcc arggggtcst 420
gattggaaca ggggaaagct ctcarttcgg araaktgttt aagatgatgc aggctgaaga 480
gacacctaaa actcctttgc agaaaagcat ggacaggcta ggaaagcaac tgacactctt 540
ctcctttggc ataatcggtc tcatcatgct cattggctgg tcgcaaggga aacaactcct 600
gagtatgttc acgatcgggg tcagcctggc tgtggcggnc atttcanaag ggtctgccca 660
ttcgtcgtca tggtgacnct ggtcctggga ntgct 695

<210> 1702
<211> 545
<212> DNA
<213> Homo sapiens

<400> 1702
ccgccctgca ggtcgacact agtggatcca aagaattcgg cacaggccag agggaccata 60
gtgttgggca ctgtctgacc atgttgcatt tggaaggcta aatggggcca tgaagaaggc 120
tggaagggac agggggtgat ggcagcctac ctggtgtccc ctaccccacc tgttctcgga 180
gaaccaagtt gctacacagg aagttctcca aggtccagtt tcctttctcc caccagttgg 240
tggaggcttc agggaagacc agagtcctgg acagagaggg taacaggagg agtcggggat 300
aaacatcaaa catcaatcgt gtgtcctgat ttgggagtga ttgggggggat ggggtgggag 360
agggttagtt ggtattctca tggcctgatt ttttttgttt ctattccttt tatatcactg 420
tgtttgaatc gaggggggagg ggtggtaacc ggaaataaag acctccgatc ttccgcccca 480
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaa 545

<210> 1703

<211> 1620
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1591)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1600)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1608)
<223> n equals a,t,g, or c

<400> 1703
aattcggcac gagggaactc tacctctgca gcgagtgcgg gcgctgcttc acccacagcg 60
cagttncgcc aagcacttga gaggacacgc ctcagtgagg ccctgccgat gcaacgaatg 120
tgrgaagagc ttcagtcgca gggaccacct cgtcaggcat cagagaacac acactgggga 180
gaaaccattc acgtgcccta cctgtggaaa aagcttcagc agaggatatc acttaattag 240
gcatcagagg acccactcag aaaagacctc ctagckaggt ccccatgtga ggagatctgc 300
tttcagccct cacctaaggg aggtgaggaa gaggaaaagc cctcttgtca gcctgggaag 360
acctttttcga gggagtctcc ctgacctgct cagatctgac attacctctt cctgcaacta 420
aacacgagcc tgggcagaac ctctcagcct tcctctacgc cttgagggga tgtttcatcc 480
aaagtacaac ctgaattgag gcttctcctt cactggagtg cacctgcctc tacctcatgg 540
gtataaagta ggagaactaa gagacttaag aggtcgtggt tcctatatcg tccaaaaaat 600
aggctgttac atatcctaaa gactgctcaa cagcttcaag ttgaaagtgg ccaaggacag 660
ccccttaggt ttgggaaggg acgagcctga aggattctgt ctttactggg gtcaaatctt 720
aaagcacaca gctctggact caagacagga ggtttgcgtc ctgatggctt tgcacacatt 780
cacaggataa ctgcatagat ccctcgctgt ctgattcact tcttaccatg cactttcctt 840
tgatgctgag gagaaatgga agtgggcgaa aaatctcaag gctgcttcat gtggaccttg 900
tcaagctgct ccctccccca gcgtcaaatt gttatcaggt gccaaacact gctagaaagg 960
agggcctagt cagaagcctc tttccatacg agttttggtt ttgtttttaa tatttttttc 1020
tattaaaata ctcatgcatt taaccttccc gttattcaac cagtctcttg gttgcatccc 1080
tagcacttct actacaagtg agatggtagt gtttgagtgc ttattgagta aagcataatt 1140
cggtcataat gaaatcgttc acattccctc atatgcacaa gcccaccaac cccttcacac 1200
ccccccttcac aggggtcgta tgagtaaggg gatttggaaa ctgtcaactt acaaaggcac 1260
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gaacgactaa gaccaaatta tggaaaataa gaaaaagctg ttgctggcaa gaccatcaag 1380
actgttctga caccctgtcc ccatcatccc tgactgagta ctctgacatc acggaaagtg 1440
ttgaacctgg gaccctgagg aattcaccag gagtaaatgg ctttcatgta tttgtgttgt 1500
ttgctttttc ttacgtggat tttatgttca taggagctag gaaagtagcc tcttctggtg 1560

ggccccaaca ttcttcttgt ttgcccgttt nagggttccn ttgggagntg gagggcttga 1620

<210> 1704
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<400> 1704
tgcacccgcc cctgggaaag atgctgatag gtcttgctgg ctacctgagt ggatatgatg 60
gtacctttt gttccagaag cctggggata aatatgaagc atcacagcta catgggaatg 120
aagaaggagt kaaggcttcc tgacttgaaa tgggactgac tgaaccctgg ggccacactt 180
aaaccagaaa tgttatagtt tagcagccct ggcgtggtgg gcaggtgcaa attaaagggg 240
actttgggtg gtggagggag aggggaggat gattcagacc cttcccctgt gggtgttagg 300
attactcagg aactgaggtt nagggaagaa gggnagagga ggttgcaatt attacaggga 360
tgacatagtt agaaggcagg cacgcatttt tcaccgttng ccctg 405

<210> 1705
<211> 1592
<212> DNA
<213> Homo sapiens

<400> 1705
aattcggaac gaggcggaca gtgagaaggt caggtgaggg cggcaaccag ctccccttgt 60
cccgccctgt tcatcctccc attaccaccg cccccacaca ctcacacgca cacttacgca 120
cagatcattg cagcggatga gatggggcta tgacagaagc ctcaggctcg tttcctyctc 180
cctcctccag ccccctcccg gcttccagcc cattctcttt gcagctgggg ttcctaccct 240
accctactcc cagctccttt tccccgcgga tggagagatg gactctgctg cttacccacc 300
cactcccctg caggggtgg aggactgatt cagctactgt atccccactg ctgtgactgg 360
aaatgggggt ggggagtgac tggtcttttc aaccctgggg agttgaggaa aatgtctgct 420
ttcacttcag ctttcatttg aatactgtga tctggttttt attttgaaat gtataaaaag 480
caaacccagc tacaaaggcc ttttcaccct tccactttgt aactaatccc agtctcttct 540
catcactcct cctcttacag tactctgcta ttcatgctca tttcatgttc ttaatcttct 600
ttcctgttta aaaatttttt tttggaaaaa atttgaaatc atggtccttt tttctgctga 660
atatattcta tatattatat atatataaat tatatatata tatatacata tatatgtctg 720
gctacctcgt tttagtttac tttttttctg aagccctgga attctacaag agagatattt 780
tgagactgaa acatgtttgt gcctagactg gaaagatgcc cttgggtttg tccgtctttty 840

tgtgttggck tcttcccagc ctccatccgt ccagtgtgcc ccacttccac attctggcta 900
taatttcctt tttctccttg ttcattggga tttgaggacc tatttctaaa tcttaattta 960
tagcacaaat atgtgggagc aatgagagtt gaaccgttgt ttttgttgga gatgcagatt 1020
gtgtcttgaa aatgatgatt atatatgcaa attctgccct accctcaccc tcttccaagt 1080
ttccccccaa aaaggtcaca cagtgcggct tcctgtggga aacaggagca gagctggcct 1140
gcagagcccc tggggctgtg atgaagctca tatcttatct ctgttctatt aacaaaatgg 1200
gagtttgtgg gttttaaaaa attccgtttc taaatggagg aatagatgac tttctttctt 1260
ttggtggggg ttgggacttg tggctttaaa gaaatcactt ctgagtagga tgtatatttt 1320
cgttggattt ttgttgttat ttctttagaa ccctccacag caacatgcaa gaccatggag 1380
ttaaagaaac ccagagacct ttatcaatta attgtactgt ttgtgaattt gtataaataa 1440
taacaaagat cctcttaaaa cgtttatatt cttacagtaa aaggttaaac tgatatttat 1500
ataataaaag aggaaatatg aagtatgttt ttgaaaaaaa aaaaaaaaaa caaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1592

<210> 1706
<211> 1442
<212> DNA
<213> Homo sapiens

<400> 1706
aaaaaaactc tctaatcagt tgtacacaca ttgaaactta tagccatggc cagattttat 60
gctaaaaatg gtagtttgtc aaagacaaaa ttctcttaga atctaatcca acttgccagc 120
cctgagaaaa tccctttaa ggccaaggaa agctgaatgc tagcagccag gcctgtggta 180
cttccatgag aaaccatagc agacaatgcc ctcccaagta ctgaaatcac actggaatcc 240
cccttgttgg gttcatttga ttgtttaaca caggatgtgt tgtgtcattc tgaagttttt 300
atttggggca gaagtcttta tggagatgta aatgacagcg tttctgggtt atgcataact 360
tctcactggt cagagacacc ggtgtgtcaa gcatggatat tgcattgcaa gacttgaatc 420
tataaaaatt agaatcacac agtcagtact acaagcaaaa cagagaacct gaaagaaggt 480
gcacagactg taagaaaaaa cccaagtttg tgatatttca gtgattccaa agaacattct 540
aggttttttg tttgtttttt tgtttttttgg gtttttttttt tttactgcag aaaattggtg 600
gtattttcac attcatagtg tttctatcca atttcagtac ccacatttaa tgaggaaaaa 660
atgttttacc aatgaaggag gaattcttaa attagctgta atgttaggtt ggagaaaatt 720
tggtatttag ggtattttca aggtaccatc aaatcagatt tctgtttttt tgttaaaaaa 780
aatttttta atcagtattg tttttacaag taatatactt tgaaactctt gaactaatag 840
tctcaaaaac tctagaggac agtctgagaa cacgtatttc tattgttcta aataaataca 900
tgtttttgaa tagttcaatc atgaattatt gactatgtct tcatcaaaag tgttaatccc 960
tctcagggtc tctggtgaag accttcaaga gtttggtttt ttctcccagg aaattggaag 1020
gtagaattgt aaattcatag aacttctttt ataatggtgt acctcagcag ctgcctttca 1080
atttatgcca agtccttaca gagtttatac ttgaatagta aatatgtctt ctgagtttta 1140
cagtgtctta aactcaatgc acatttttttt ttcttctttt tccacccctt cttgtttgta 1200
gttcattata cctgtcctat tacagaactg atttccttcc tggctgtaca tgttggggtg 1260
ctggattttt ttccgtgtct ttagtcttcc ataaatccac acacacacac acacacaaaa 1320
aatatatata tatataaata tatatgtagg atacatgttc tcttctttag cttgtggtga 1380
atacagtaat ttgcattgaa gaataaaaca tctgttgcct tttttgacta araaaaaaaa 1440
aa 1442

<210> 1707
<211> 808
<212> DNA
<213> Homo sapiens

<400> 1707
gtttcaggtc tttgtgtgtg gctttcttaa agccctgttg taaaaaatta ctatgtggat 60
ggcagtctct cacatcacag atgtggaaag tataatttta tatttgtatt ttcaaataaa 120
taagtttgtg aaaggtttcc atcctctact gtggtccaga aagatgcttg agatatatat 180
atakatagat acatatatat gtatatatat aaaaaaaata ctcactacaa aagttccaga 240
gcctccctcg aaggttctct actactgtat tctgtacata atgtaccatc ccatgtggaa 300
tctgtgagtg tcctcttaag tagcgtgggc tagccaatct gccgttcatg gtgtattgta 360
aactccgaat tccatatgta ataggatgca agtctaagcg tttcatgtgg acataaatgt 420
atctaaataa aactttccct agcactgtgg ctgacctcac ccttactttt atactttagt 480
atgaaactga tgagaacttt ggtagtgagt attttttta tatatataca tatatatgta 540
ctatctatat atatatctca agcatctttc aggtctttgt gtgtggcttt cttaaagccc 600
tgttgtaaaa aattactatg tggatggcag tctctcacat cacagatgtg gaaagtataa 660
ttttatattt gtattttcaa ataaataagt ttgtgaaagg tttccatcct ctactgtggt 720
ccagaaatca atgtgtttgt ctgacaaaaa aaaaaataaa ataaaataaa ctgttttgaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaa 808

<210> 1708
<211> 1055
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (996)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1010)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1025)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1030)
<223> n equals a,t,g, or c

<400> 1708
gataaatcta tcaagaataa agcagaacgg gaaaggcgag tcagggagtt aaacagcagc 60
aacactaaaa agtttctgga agaaagaaag agacttgcca tgaagcagtc caaagaaatg 120
gatcagttga aaaaagtcca gcttgaacat ctagaattcc tagagaaaca gaatgagcag 180
cttttgaaat cctgtcatgc agtgtcccaa acgcaaggcg aaggagatgc agcagatggt 240
gaaattggaa gccgagatgg accgcagacc agcaacagta gtatgaaact ccaaaatgca 300
aactgaagca gcaaacccac aaagcatcaa aagactcact cacaaacttc tgaacacaaa 360
ctccatggat gaaagctgtt tattttgttt cctttatgtg taaacaagat gatatctgaa 420
accagagaga cttggaatgt ctgactgact tctatttaac agcttgagta ttgcatttcc 480
ttggccaaac aaaaatagct acaaatccac aaaaatttac tattccagta aggcagagtc 540

caaccattga taatacaact taaacatgtt tgctataaaa taccatcaca agtaaatgag 600
cttggtgtga acaactctcc tttgtgatgc cttaggacat gtttgaactg cagcaaaaaa 660
caaaaacaaa aaacagtgca ttagcaattt catagcaagt gcatgcacta ggaaaagaaa 720
actctgtcta caagtttatt agcagaagtg gtggtctgct agacaaataa ttttgcaaaa 780
tttttctaca tctaagttac ctcatcagta agtgccatgt ctctaccatg ccatcagagg 840
ctaatttcct gtaaaagttg tggaaattgt tagamcaata gaaaaataga gcagtgtatg 900
tgtgccaaac tcatcattac tcaagggaga ctgtgttagg acattaagaa gttacactgr 960
catgctttat aggattgttc tgcmgttccg gtattntatt ccacctaagn tttgagtggt 1020
attgnaacgn tgtaatgtgc ccagataagg ttatc 1055

<210> 1709
<211> 1044
<212> DNA
<213> Homo sapiens

<400> 1709
aaaaatcttc tagaggaaat actcaagcaa ctagtcattc ttttgatgtc agagtgctaa 60
cgcagttgct cctgaattca gaccacagat ccacagccac agtccagata tgtagcggtt 120
ctgtaaacct taagggtgct gtgaaatgca gagcttatat ccacagcagt aaacccaaag 180
ttaaagatgc tgtgcaggca gtaaagaggg atatattgaa cacagttgct gatcgttgtg 240
aaatgctatt tgaggatctg cttttgaatg aaattccaga aaaaaaagrt tctgaaaaag 300
agttccacgt cctcccttat cgagtctttg ttccccttcc tggatccact gtaatgttgt 360
gtgattataa atttgacgat gagtcagctg aagaaatcag ggaccatttt atggagatgt 420
tggatcacac aattcaaata gaagatttgg aaattgcaga ggaaacaaac acagcttgta 480
tgagttcttc tatgaatagt caagcttcat tggacaacac agatgatgaa caaccaaaac 540
aaccaattaa aactacaatg ttattgaaaa ttcagcaaaa cataggtgtg attgcagcat 600
ttacagttgc agtccttgct gcgggtatct cctttcatta cttcagtgat tagggtgagg 660
cacaaagagt ttcttgatca tccagagaac attgacagac aattatgaat aataaagatg 720
ttaacaatcc atctgtattt aaaacactag cagccagatc tgctgccatg atgcctattt 780
ggtgtgtttc tgattaaaat gaaatcacaa gctgccttgt ttagcctgct ttacattgta 840
ggtggcccgc atttccagaa ataacgttat gcatctagat ggaagctgca tgtaacaaat 900
cattattatc tatttttaaa agcttcaaaa tgatgggata tgatcataga ttttagtctt 960
actaatctga atcacatatt aatcaggaca ttaaaaactt taacagaggc atgatggctc 1020
acacggtata atcctaatgc tttg 1044

<210> 1710
<211> 895
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (863)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (883)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (889)
<223> n equals a,t,g, or c

<400> 1710
aattcggctt cgagcggccg cccgggcagg tgttctaaag ggggatggcc aaggggtgac 60
atcttaattc ctaaactacc ttagctgcat agtggaagag gagagcatga agcaaagaat 120
tccaggaaac ccaagaggct gagaattctt ttgtctacca tagaattatt atccagactg 180
gaatttttgt ttgttagaac acccttcagt tgcaatatgc taatcccact ttacaaagaa 240
tataaaagct atattttgaa gacttgagtt atttcagaaa aaactacagc ccttttttgtc 300
ttacctgcct tttactttcg tgtggatatg tgaagcattg ggtcgggaac tagctgtaga 360
acacaactaa aaactcatgt ctttttttcac agaataatgt gccagttttt tgtagcaatg 420
ttatttctct tggaagcaga aatgctttgt accagagcac ctccaaactg cattgaggag 480
aagttccaga accatcccct ttttccattt ttatataatt tataaagaaa gattaaagcc 540
atgttgacta ttttacagcc actggagtta actaaccctt ccttgtatct gtcttcccag 600
gagagaatga agcaaaacag gaatttggtt ttcttttgat gtccagttac accatccatt 660
ctgttaattt tgaaaaaata taccctccct ttagtttgtt gggggatata aattattctc 720
aggaagaata taatgaactg tacagttact ttgacctatt aaaaaggtgt taccagtaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aangggcggc cgttttaaag ganccaagnt tactt 895

<210> 1711
<211> 1614
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1614)
<223> n equals a,t,g, or c

<400> 1711
tggggatgaa aggatctctg agaccacaga ggctcagact cactgttaag aatagaaaac 60
tgggtatgcg tttcatgtag ccagcagaac tgaagtgtgc tgtgacaagc caatgtgaat 120
ttctaccaaa tagtagagca taccacttga agaaggaaag aaccgaagag caaacaaaag 180
ttctgcgtaa tgagactcac cttttctcgc tgaaagcact aagaggtggg aggaggcctg 240
cacaggctgg aggagggttt gggcagagcg aagacccggc caggaccttg gtgagatggr 300
gtgccgccca cctcctgcgg atactcttgg agagttgttc ccccaggggg ctnctgscac 360
nctggnagaa ggaagctgcc tggtgtggag tgactcaaat cagtatacct atctgctgca 420
ccttcactct ccagggtaca tgctttaaaa ccgacccgca acaagtattg gaaaaatgta 480
tccagtctga agatgtttgt gtatctgttt acatccagag ttctgtgaca catgcccccc 540
agattgctgc aaagatccca aggcattgat tgcacttgat taagcttttg tctgtaggtg 600
aaagaacaag tttaggtcga ggactggccc ctaggctgct gctgtgaccc ttgtcccatg 660
tggcttgttt gcctgtccgg gactcttcga tgtgcccagg ggagcgtgtt cctgtctctt 720
ccatgccgtc ctgcagtcct tatctgctcg cctgagggaa gagtagctgt agctacaagg 780
gaagcctgcc tggaagagcc gagcacctgt gcccatggct tctggtcatg aaacgagtta 840
atgatggcag aggagcttcc tccccacttc gcagcgccac attatccatc ctctgagata 900
agtaggctgg tttaaccatt ggaatggacc tttcagtgga aaccctgaga gtctgagaac 960
ccccagacca acccttccct ccctttcccc acctcttaca gtgtttggac aggagggtat 1020
ggtgctgctc tgtgtagcaa gtactttggc ttatgaaaga ggcagccacg cattttgcac 1080
taggaagaat cagtaatcac ttttcagaag acttctatgg accacaaata tattacggag 1140
gaacagattt tgctaagaca taatctagtt ttataactca atcatgaatg aaccatgtgt 1200
ggcaaacttg cagtttaaag gggtcccatc agtgaaagaa actgattttt tttaacggac 1260
tgcttttagt taaattgaag aaagtcagct cttgtcaaaa ggtctaaact ttcccgcctc 1320
aatcctaaaa gcatgtcaac aatccacatc agatgccata aatatgaact gcaggataaa 1380
atggtacaat cttagtgaat gggaattgga atcaaaagag tttgctgtcc ttcttagaat 1440
gttctaaaat gtcaaggcag ttgcttgtgt ttaactgtga acaaataaaa atttattgtt 1500
ttgcactaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaangggg gggn 1614

<210> 1712
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<400> 1712
aattcggcac gagtagatat gaagatacca ccaccaccac caccgctatc catacctagc 60

ctaaagatgt agagccctct gctggggctg aggaggagct gtggggtgct ttctaagtag 120
actttccacc agcccgtctg gtttgtctag tcccattttc accccacatc cagagttact 180
attattacca actcctgagc atttgcagga ttctgtagta tgaattggga tgcttcttgg 240
ctttccctac agccagctta gaattgtgct ttctcaggtc tactaagttc aataccatcc 300
ttcagcctgc tctccagttt ccaacatgtt actgttaagg ccttttccct cattttctat 360
cattgtgagt atgtgccctt tgaaaaccct tttgctgtca tttttgtggg atttggtgaa 420
gaagcagtgg taaatgcatg tattattctg tcatctaagt gttcaatgtt agctcttctc 480
ataagtgggg atgttaggnc tcagttgctt tctctgntga aatgaggngg 530

<210> 1713
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (625)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (724)
<223> n equals a,t,g, or c

<400> 1713
gagaattgag gttgcaaggc tggctaactc agctttgcct tcacgagccc tagaggccag 60
ccgaagatgt tctgcaggtc agggagacag gaccaggtaa cccagctgty actgaagatt 120
atatagagtt tgagaatgtt ggaatatttg aaaatgctcc cccaaaaaag ctgctgatga 180
gttctggaaa tgtcaggaga ttaatctata cggacactgc tgaagaaaaa ggtagaagaa 240
taaaagatcc agtacttctt cctgggtaag cagttatgac cagagatgga accggcaact 300
ctttggccag aaagctgtat ccaaaagaca gagaagatga gaaacaggga gggcaaaggc 360
gaaaaagcaa ttggacatga tagctagatt tgtttcagga aaacatcctg ctttccaagg 420
atttagatga atgtttttgt tcactggtga ctcaggtaac acgtcttnca agaagccata 480
ggggaggttt gagggaggga agtcaagaag ggaggttgag gactgcactt ttgatttact 540
tctgacttca cgagtcactt tctggccaaa gnaaatctct ccttttgctt ctagcaccga 600
ctagatttcc cttcagcctt gatgnatttg gactccccag aaattccgaa aagaaaactg 660
agttccccac aaaagctctt gttctgatcc tgggagcttc gccagcccca gttccaatta 720
atcnttcc 728

<210> 1714
<211> 1595

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1592)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1595)
<223> n equals a,t,g, or c

<400> 1714
ggcacgagga aagctccaca cacacagccc agcaaacagc agcacgctgc tgaaaaaaag 60
actcagagga gagagataag gaaggaaagt agtgatggat ctcatcccaa acttggccgt 120
ggaaacctgg cttctcctgg ctgtcagcct gatactcctc tatctatatg gaacccgtac 180
acatggactt tttaagaagc ttggaattcc agggcccaca cctctgcctt ttttgggaaa 240
tgctttgtcc ttccgtaagg ctattggacg tttgacatgg aatgttataa aaagtataga 300
aaagtctggg gtatttatga ctgtcaacag cctatgctgg ctatcacaga tcccgacatg 360
atcaaaacag tgctagtgaa agaatgttat tctgtcttca caaaccggag kcctttcggg 420
ccagtgggat ttatgaaaaa tgccatctct atagctgagg atgaagaatg gaagagaata 480
cgrtcattgc tgtctccaac cttcaccagc ggaaaactca aggagatgtt ccccatcatt 540
gcccagtatg gagatgtrtt ggtgagaawc ttgaggcggg aagcagagaa aggcaagcct 600
gtcaccttga aagacrtctt tggggcctac agcatggatg tgatyactrg cacatcattt 660
ggagtgarca tcgactctct caacaatcca caagacccct ttgtggagag cactaagaag 720
ttcctaaaat ttggtttctt agatccatta tttctctcaa taatactctt tccattcctt 780
accccagttt ttgaagcatt aaatgtctct ctgtttccaa aagataccat aaatttttta 840
agtaaatctg taaacagaat gaagaaaagt cgcctyaacg acaaacaaaa ggtaaaatct 900
gatggtggtt aaatgacgat gtttaggttt tgataaattt agattttata cacatgatag 960
agcatgtatc tgtattttta aaaataaaga cagagaactt atgtttagaa caagagaagc 1020
catttggtag aaataaagaa ggagattggg gaaggagatg agaatgagtc agagagatag 1080
catttaaaac ttgaaatcag gcacaacaat tagtatgtca tgatataaac agtattgaga 1140
taaaatttta ccacttctct tyccttttaat aaattgtcaa aggataaagt ttcctgtttg 1200
aaaatatatt ttactggtat tgtgctttcc tcatatcaca gattggtaaa gaatcatttt 1260
aagtccaaga ctcttatttt acatattctg caattaaagg tcctatgagg ctacctgccg 1320
actgctgaca tgtagtgtgt ggtaaatgtg agtgtttcac agcctggagt gaacaggggt 1380
cttctctgag aattgaggtt gcaaggctgg ctaactcagc tttgccttca cgagccctag 1440
aggccagccg aagatgtctg caggtcaggg agacaggacm aggtaaccca rctgtcactg 1500
aagattatat agagtttgag aatgttggaa tatttgaaaa tgctcccccа aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa anggn 1595

<210> 1715
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<400> 1715
aaagtagggt ccggaattcc cgggtcgacc cacgcgtccg cttgctagtg tcccctgatg 60
catgaaggat ccccccatgt cataggtccc acctgcctgc tgtgcatccc gggtggccag 120
actcggcttc tccaggtgca cttgtcccag gtggcccggt ccgtangctg raagggcagc 180
tgcaggtgca ctgcctcgcg gacaggttag gatatggcca cgcagccatc catcttctac 240
agcacgcaca ccccactctc tcccccagtc aatatgtctc tctccgatgg gaaagttaat 300
aaattttgct ctagattaaa agtattgaty atttcatttg taaacgataa ataaaaaggg 360
ggaacttttc attgcgccag gggtggcacc tggcgtgtgt tgcgggggtg attgcgctgg 420
ctgccggggg gtgggcttct catatgcatt ctggccggcc agctgcattg atttcctatt 480
agtctcccag caccacccag taacacatca tttcagtacc tgctattaat ggtcttttga 540
taaataatca cttgtaagtc aataaatttt tattaaacag traaaaaaaa a 591

<210> 1716
<211> 1974
<212> DNA
<213> Homo sapiens

<400> 1716
tacttttatc tttcaaaaca aattcactaa aaataacacc tattgatttt gaagtcactt 60
ttctcaaacc ttgaaaatga gctctaggat ctctataaac atttctaaca cttttcctgt 120
agtttatata gacagacatc tgttgttaga cctgtgtgtt tttaaagaat catatgttaa 180
caaataccca tgcaaagagc ttcaaaaagt gaaaccgtgt taaaggaaca caatttttct 240
cactcagaca tatttgttta ttgaattgca aagttttatt ttaaatcagc atttccccaa 300
agaatatatc atatgacgct agttccaagg ggcttgactg agtggtgttt tgctgggggg 360
agacaggggt ttgttaatac actttactaa atactgagct gaaaaatgtt aaatagattt 420
cacgattgcc tccttgaaga ttttaaagtt cattgtggtt cttcaaggcg aaatccggtg 480
aaccattcct cacacttacc tacaggactc ttttctaatg gagcatcttg tgaagctagt 540
gggtttttt gttgttgtta tttgtttttt ttttttaatg ctttagaaaa cacagcttta 600
ggatattgac tttttgttta tttctatttt caaatgctga aaagtcaagt cccagtttga 660
ataccataga aaagctttga tgcatttgta aattatattg cactctttca ctatatattt 720
tcaaaatcac tggaatgttg ttatacaaga gaattataat tgtgtattgt aaataacata 780
ttaaaataca tatattaatg ccaatagtta aattcaacaa tatgtaatct aaggtgctcg 840
gttctacatg aagtatgagt taactgctca taattaagtt gccaagattc tattatatat 900
ttatagacaa attaaaatga tcataattac aaatatgrtt tctttatcac ttaagctttg 960
ggctgattaa tatctgtgtg ggggtcaatg gaaactacat tctctacatt tataaacatt 1020
aatttaatta tttatatttt aggaaaatat atttgaataa aattaatgca ttttctagag 1080
taaattaaaa tgttattagc aagaaataga aaatttgact aagataattg tgtatatgaa 1140
tcatttttcc cccaagttaa aatgtatcat aatagagagg ctctaatgaa tcaatttcca 1200
atactcattt ctttcttatt ttgaattcaa gttacaatga ctttacactg tagattttaa 1260
tcttgtctga tgtgtgctgg tgtgtatgac acaaactcat aagtctggat catgcttggg 1320
tacagtcaat gaatcaaccg agtcactttg aggaatttgt ttttgtccaa tttgctctgt 1380
gctcaatccc atgaattatt aaatttacaa tgtttgtccc caaatgaaaa ccaatataaa 1440
tgaatgatgt tttaatctgt actttatggg aagttgccta tttgtcagta gatgtggtta 1500
agtgagtcct ctggtgcagt gacatccttt taagccatct catagggatt taaagaaggc 1560
caataggaat atagatattg gtttttcttt ctctgacttg aactaagtag gagaaaccaa 1620
accataaacc tattacaaac tacccaggca gaggcattta cttaattcat caactagtgc 1680
aattaaaacc ctgaaaacac atgatccttg ttgactctgc ttggttgaag caggaaagaa 1740
tggtcttgat ggtcagaaag ttttaaaatt aatggkcagg gcctttctgg accctgtttt 1800
ccaaacacgt tagatattcc gtcttgaggg gattggagta ggctacagtg agggggtaat 1860
ttttggatgt atctggactt ttaaaaaatg tgcctatatt tatagcacca tgaatattat 1920

gtaaaattta tatatgaatt aaataaatat tcmcctctga aaaaaaaaaa aaaa 1974

<210> 1717
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<400> 1717
cganacntcc tcactaaagg gancaaagct ggagctccac cgcggtggcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagc ttctttctcc cgcgcttcct 120
tgtactgtgc attcctcatc aacgatggct tctcggactc cacgaaactg cgctgtactg 180
aagggcgaag tggatctgac cgcactggcc aaagagcttc gagcagtgga agatgtacgg 240
ccacctcaca aagtaacgga ctactcctca tccagtgagg agtcggggac gacggatgag 300
gaggacgacg atgtggagca ggaaggggct gacgagtcca cctcaggacc agaggacacc 360
agagcagcgt catctctgaa tttgagcaat ggtgaaacgg aatctgtgaa aaccatgatt 420
gtccatgatg atgtagaaag tgagccggca tgaccccaty caaaggaggg cactyttaat 480
cgkccgscag accccagatt actacagatt tctccatcta gcgggaacaa cagtgacatc 540
tgtgggggggg attttcctg 559

<210> 1718
<211> 834
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (778)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (830)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (831)
<223> n equals a,t,g, or c

<400> 1718
tgtgtaatat gttctgtgtg agcctctgca ttaaactcga tttcttgggc aattatggaa 60
attccagtgt ggctgcagtt taactttgca ctctctatgc atatgaggtt tcctaaataa 120
atgaggagta gcatagttta aaatatatat atcttataac tttctacaac aaagaattat 180
tgagtccaaa tgtcatcagt gctcattttg agataccctg ctatcgatgg tcgctacaaa 240
ccaggaaata ctcaagttat tatgtgtata cattggtttt agttttatga aacaatttac 300
cttcatgatc tcatagttaa aattgtaata aatttaggaa tataaaggat caatatggga 360
agcaaaattt ctaaaggcag tttctgttgt tttaattagt atttgtgtag ttcaaaccag 420
gaaggatttg actatcatta gattttgctt aactttatga aagctaaaat attctctgtt 480
ataaaggggc aactccatct ggtcctatag catctttact actgattttt ttttktttaa 540
tttgaaaatg caaagaattg ttaaatgttc ttaaatgttc tcactacaaa aaaagaaaaa 600
agataactac gtgaggtgat ggatatgtta attagctgga ttgtggtaat cattttggaa 660
tgtatatgta tatcaaaaca tgtagtacac cctaaatata tataattttt atttgtcaaa 720
tatacctcaa taaagatgga aaaaaatcga aaaaaaaaaa aaaaaaaaaa aaaaaaanaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaan naac 834

<210> 1719
<211> 806
<212> DNA
<213> Homo sapiens

<400> 1719
gaaaaaagaa aaattgaaga acataacttt tctacttatg aaatagataa ttttttaaaa 60
ttgtttaaac tcctggaaat taagtgttat tttttattac tgcagttgag agataccttt 120
tcagaggaaa acaagaggct aaattccatg ttaagagcta agtagtattt ttttcttaac 180
aattttgcca aaatttcttc tactggacca aaaggaaata aatctacaat aaatctactt 240
tctaaatatt atttaagatg ggaaatgtct tttataggta tattctgtat aataccctta 300
attagatgaa ttatccctta tcattccaaa aatgaaatgc tgtgttaaat atctccaggg 360
caaagtggta tgttgactgg gacaaacgtt agaaattgta ttgttcattg cacttgttgc 420
cctgttcccc aagcttgtca atgtttagag atactattcg ggttgctaaa gccattattc 480
atagaaaatt tctgccccta cagaagtgtg tgcatgggcc ttggaaaatc tacatgtgta 540
tatctgagta gcgaagcaca gattcactct aattgaaagc agcagtttgg ttttgtaaat 600
gtaattgcaa ttgacacttt cttttccctt tcagttatta tttttttaa aggacgttat 660
gagaaggcac tatgaaaagc ctaattggaa tagcattatg aaccatgtaa tgcatgccca 720
tgcacactgt gatttgcaaa catatgtccg ctcttcaata aatgttacgg ctttccaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaa 806

<210> 1720
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<400> 1720
gccagatcta tttgcacatc gagaggttcc tctgtccctg catgggctca gtgaccttat 60
cccacctcac tcccaattcc aggtagttga gcaggatgag gctgctccca gcccactgcc 120
acatccagat tcagctgctg agtttatccc acaggaaaga ggtagcactg acagcgtgca 180
cgcctgtggg tgacgcatga tcctcaggag cagttcacca tgcgctgagc agggccagta 240
ggaggcagct gtggaaggcc aggtacagca gcttcatggt caccaaataa gcctgacact 300
caagcagaca gcagccaccc ccatgcagcc tcagctgcag ggccccaggg ttgctggcta 360
cggcaggagc agcttcagtc atacgtnttg cacaggcacc catctgcctg aaccctgatc 420
cctgtgtnan gcaaaaaatg ttattttaga aaaaaaggga aggttttttt aatactgacc 480
taacttttng ttttattaaa ctnaa 505

<210> 1721
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (637)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (649)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (655)
<223> n equals a,t,g, or c

<400> 1721
gagntcagcc tcactaangg aacaaaagct ggagctccac cgcggtggcg gccgctctag 60
aactagtgga tccccccgggc tgcaggaatt cggcacgagg tccggcgggc cgcgcctccc 120
gcaggcccag aagacggccg ccttgccccg gacccgcggc gccggcctct tggagtcgga 180
gcttcgcgac ggcagcggca agaaggtagc agtagctgat gtgcagtttg gccccatgag 240
atttcatcaa gatcaacttc aggtactttt agtgtttacc aaagaagata accaatgtaa 300
tggattctgc agggcatgtg aaaaagcagg gtttaagtgt acagttacca aggaggctca 360
ggctgtcctt gcctgkttcc tggacaaaca tcatgacatt atcatcatag accacagaaa 420
tcctcgacag ctggatgcag aggcactgtg caggtctatc agatcatcaa aactctcaga 480
aaacacagtt attgttggtg tagtacgcan ggtggataga gaagagttgt ccgtaatgcc 540
tttcatttct gctggattta caaggaggta tgtagaaaac cccaacatca tggcctgcta 600
caatgaactg ctccagctgg agtttggaga gggtgcnatc acaactgana ctcanggctt 660
gttacttaag tattcactg 679

<210> 1722
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (595)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)

<223> n equals a,t,g, or c

<400> 1722
gcggackcgt gggaccgagc ttggtaagca gaatagaaaa catccagaat gacatcagtc 60
tggtaagctt tgaaggaaac aaccaaagat ggtcaacaca actgcttgtt cttttattta 120
ccatttcaca cctggtgcag tcaggaagct acatttaaaa aacaattttc tctttaaaaa 180
gaaaaacaac ccgtagtcaa aaaagcactc atttgccata aagctggaag gattcattca 240
ttggagctga ttgttcacat ttgtagaatt tagaattttg tggttggaag gggccttaga 300
gttgaataag gtcttcaaaa ggaaacaaaa ggctcttgct ttctgtatga acagagttta 360
ttcacaagtc agttttccgt gatctatgag gagtgatttc agacaattag ctaattggtt 420
gaggcaggtg acctatcagc tctgkararg ggatgkttgc tcttagggat ctacmtaaag 480
aacatatctt acactttyca tgacagtcaa aagcagcccc attaatcctn ctatgkaatg 540
gccagtcata accacagatg angagtgcat ttcatgaaaa cccttaacag ctgtnaacag 600
ttgatcactg gcnccatta 619

<210> 1723
<211> 852
<212> DNA
<213> Homo sapiens

<400> 1723
ggttactttc ctgcgattat aattcttcct tgactttgtt cactttagat gttttactag 60
tgagttttga tgactcccac cccttatgtg agaatgtgca tactttggaa acttgaattt 120
atccaaacaa gctacctatg acttagagtt tgggcataag ttttaaattc aatgctcaag 180
tcgaactgga tctggtccag gcccactcca agggtggttt caggggtgtt ttttcagkac 240
ttgtcccaga ccacacaggt agscttgktt ctgarggcag ctttatgggr aggtgtagaa 300
ggtggtgggc agcaaatgca ctgcagagtc attttcttgg gtatggtgtt taagaagcct 360
gagattttca caagaaccag caaaaccagg agtggagagt tggggagata gagaagtagg 420
cctaaaactc cctcttcttg agtctttttt gacttaatac accattgggt ctgtcctggt 480
gctatggcct atcacaaagg actgttttaa gagagaagca agccacagcc ttgccagata 540
agtctccaac accagcagaa aagcacggac cctgatctgt gggaggcaag ggtctcccat 600
tatttctgga ggcaaatggt gccttctagt gaaatggtgc caccatttgc tgatgggggt 660
gcctgttctc aggatgtgtg gaaactcagg cctgagggtt tctacatggt ttattcaatc 720
taactgcata cctagcttgg cagaatggag gtggacaaaa gtgctgaaag gatgagggta 780
ggcttttagg gcaaatcaag tcacaaagca gatgattgag ggaggttaca aagcttaggc 840
agagttaaag tt 852

<210> 1724
<211> 697
<212> DNA
<213> Homo sapiens

<400> 1724
catcagaccg accagcccaa gaaacatctc accaatttca aatctggcac ccactggaaa 60
tcagactgcc cagctcgccc gacagccact cctggagccc ctaaagctct agcccaaggc 120
tctctgactc cttcccagat ctattcggct tagcgactga agattgacgc tgcccgatcg 180
cctcggaagt cccctggacc atcacagaag ccgagcttcg ggtaactctc acagtggagg 240
gtaagtccat cccctgttta atcgatacgg gggctaccca ctccacgttg ccttcttttc 300
aagggcctgt ttcccttgcc cccataactg ttgtgggtat tgacggccaa gcttcaaaac 360
ccctgaaaac tcccccactc tggtgccaac ttggacaaca ctcttttatg cactcttttt 420
tagttatccc cacctgccca cttcccttat taggccgaaa tattttaacc aaattatctg 480

cttccctgac tattcctgga gtacagctac atctcattgc tgcccttctt cccaatccaa 540
agcctccttt gtgtcctcta acatccccac aatatcaccc cttaccacaa gacctccctt 600
cagcttaatc tctcccactc taggttccca cgccgcccct aatcccactt gaagcagccc 660
tgagaaacat cgtccattct ctctccatac caccccc 697

<210> 1725
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 1725
ctgtgaggtg aggcaggtgt ctagattccc tactcagctt acattaagtc caaaatgtgg 60
ggacgctctt tattactgcc tggtggggat ggaagtccat tgacactgct gggagaagga 120
ggttcatgct ggccagttgg gatgaaagtc ttagctcccc acttggtctt ccctgacacc 180
actgcagtgg ggtgttgggg tgccccttta cagccttttg agtgtgggat tctaggatcc 240
ccacttgacc ttccctggtg tgggcagagg ttttttcttt ggtgtctgtt gggagtagag 300
cagctgtcat ctaaaagttt tctgtcttgc tgggacgtcc tgttctggtc ctttagctag 360
agagagcatt cttttgttag tacttttttwt gctgtgtctg ttggcattty catgttgctg 420
gctttttcaa ctncaactct gggatatatg ntgtaaaaag aaaaccca 468

<210> 1726
<211> 482
<212> DNA
<213> Homo sapiens

<400> 1726
gattgaggcc aaagttataa agatgggctc tcgatctact aatattagta aaatgggttt 60
gggacttact aacatttgtg cttagaagag acagacctgg caaagagctt ggagaagtga 120
gttccaaaga gagaggtgtg ggaaccagga tggaagagtc aggcctccag atagcgttta 180
cttctccttt cttccttgaa tcactgtctc asagataatt aggttcagaa gaggaggaaa 240
aaaaagatga ccgtcaacat ggagcagagt ttttcttaga ccttagccta gcaaggaaag 300
agaaatgcct ggtctcagtg ctgggaagct gttycagcca gagccccgtg gctgtgaaga 360
gagctctcct gyctggagcc aaacagaaag ctcataggtc ttgaggccag aaaagttagt 420
aggtggcggc tctggtcggt gctggaaatg gaggccagga tgaactaaga agcaaactaa 480
ag 482

<210> 1727
<211> 1897
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1202)
<223> n equals a,t,g, or c

<400> 1727
gctgctgcag cagcagctgc tctgcagagt ggtggccggg gccagggccg gggtgccctc 60
cctcccacct tctcccgcca tgagccaggg aagtccgggg gactgggccc ccctagatcc 120
caccccggga cccccagcat cccccaaccc cttcgtgcat gagttacatc tctctcgcct 180
ccagagggtt aagttctgcc tcctgggggc attgctggcc cccatccgag tgcttctggc 240
ctttatcgtc ctctttctcc tctggccctt tgcctggctt caagtggccg gtcttagtga 300
ggagcagctt caggagccaa ttacaggatg gaggaagact gtgtgccaca acggggtgct 360
aggcctgagc cgcctgctgt ttttcctgct gggcttcctc cggattcgcg ttcgtggcca 420
gcgagcctct cgccttcaag cccctgtcct tgttgctgcc ccacactcca ctttctttga 480
ccccattgtt ctgctgccct gtgacctgcc caaagttgtg tcccgagctg agaacctttc 540
cgttcctgtc attggagccc ttcttcgatt caaccaagcc atcctggtat cccggcatga 600
cccggcttct cgacgcagag tggtggagga ggtccgaagc gggccacctc aggaggcaag 660
tggccgcagt gctattcttt cctgagggca cctgttccaa caagaaggct ttgcttaagt 720
tcaaaccagg agccttcatc gcaggggtgc ctgtgcagcc tgtcctcatc cgctacccca 780
acagtctgga caccaccagc tgggcatgga ggggtcctgg agtactcaaa gtcctctggc 840
tcacagcctc tcagccctgc agcattgtgg atgtggagtt ccttcctgtg tatcacccca 900
gccctgagga gagcagggac cccaccctct atgccaacaa tgttcagagg gtcatggcac 960
aggctctggg cattccagcc accgaatgtg agtttgtagg gagcttacct gtgattgtgg 1020
tgggccggct gaaggtggcg ttggaaccac agctctggga actgggaaaa gtgcttcgga 1080
aggctgggct gtccgctggc tatgtggacg ctggggcaga gccaggccgg agtcgaatga 1140
tcagccagga agagtttgcc aggcagctac agctctctga tcctcagacg gtggctggtg 1200
cntttggcta cttccagcag gataccaagg gtttggtgga cttccgagat gtggcccttg 1260
cactagcagy tctggatggg ggcaggagcc tggaagagct aactcgtctg gcctttgagc 1320
tctttgctga agagcaagca gagggtccca accgcctgct gtacaaagac ggcttcagca 1380
ccatcctgca cctgctgctg ggttcacccc accctgctgc cacagctttg catgctgagc 1440
tgtgccaggc aggatccagc caaggcctct ccctctgtca gttccagaac ttctccctcc 1500
atgacccact ctatgggaaa ctcttcagca cctacctgcg ccccccacac acctctcgag 1560
gcacctccca gacaccaaat gcctcatccc caggcaaccc cactgctctg gccaatggga 1620
ctgtgcaagc acccaagcag aagggagact gagtgcctca gcctctcacc ccctcctcct 1680
cagggcagcg ctaggggcct cccctatgcc tcagccccat ctctgctcct gtttgaattt 1740
tgttattgtt gtttggttgt tgtttttta agttgatttt aatttttgt ttggttgatt 1800
tttttgtaaa aaactatttt atatataaat ataaatctat atctatatct attaaaaaaa 1860
atgaagtcca aaaaaaaaaa aaaaaaaaaa aaaaaaa 1897

<210> 1728
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<400> 1728
gcagatattt ttcataagat aaatacccac agtgtatagt aatgaacctg gataataaat 60
atcttccagc aaatatttta cttagaagac gattatattt tttaaatttt gagattaatt 120
gaatatatac aaacagaaaa ttaggtacaa atttattatg tttatggctc ttatacaact 180
atcaaggtaa aggaaattta ccaattaaat acaaagtagt aaaattcaaa atcacaataa 240
ttaataatgt tctgctgcta caaaatgaga tgttgggttt aataatagaa ggaagtagca 300
ctgttgaaat agaattaaat gggtcttgaa ttcatttgtg attggaatca gaagtcgcga 360
gttctgaaag ggtaaggttt actgcaacat tgctaataaa taatttcaag atgaaatata 420
caaagatgag atccaagctc taacatttac ttgcaacatg aatatggnac tgggttcttc 480
tccgncccca tctcattccc cctnctctnc tgctgctggt ngg 523

<210> 1729
<211> 218
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 1729
ccggtccgga attcccgggt cgacccacgc gtccggtaaa attgnttttt ntataccaat 60
atatgcatgt tttgtgcatg agtagtactt gtgttgatac tcctgttgat gttaaattac 120
tatataatat aaacagtatg tgtttttata tatcattgtg taaatttaat ataacatatg 180
cagtaataaa ccatttgttt tactgctgtt aaaaaaaa 218

<210> 1730

<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<400> 1730
gcaaaagtgt gcacagactg tgatttattc attgtggtct gtgactttaa cccatcattg 60
atgctctcac ttaggtaaac cctaaagacc aaactagcaa cactagtcaa gggagtgact 120
ggagttattt ctggtagcag tagccactgg catcctagaa acacatggac atttgtagca 180
tgaattgacc tattggtagt gcaatagcta tacatgattt ttattcttgg caaaagaaaa 240
tgcttcaaaa aaaaagtgat caaacctgca cattgatcct gtaatagcaa atggaaggct 300
atttctctgt actagcattt cagctttatg tgggaaagtt acccgttctc ctgcaagtac 360
aatcaaccct tgatgactta agtattaatt attctgggtg taactcaccc aagntttctt 420
cctacatctt ttggctaatt ccaccacacc tcagcataca gtcagatggg aaaaggggca 480
ggtggattct catgtcatgc cytcttgkac cttattttca agttttgtgg tggargaggt 540
twaatatctg ccaanaatct ggatttttag cccggtgcgg 580

<210> 1731
<211> 637
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (616)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<400> 1731
ggagatttag aagcttcact caaatattaa gctttattta aaaagatgat ttccagtatt 60
tcattttata ttcacattaa tcaagtctac atgtttcgtt tagagtaaca ggaagatggt 120
aatacgccca gggaactatc tggaagtgta gaaattggga tgaacaccgt ggttatactt 180
gttttgatct gcctgtggtg ctatgatgac ttattttctc tcattattgc atagaaactc 240
aattcagtga tgttattcag atgttattca taagttattg ccatgattca tcacttttat 300
gtcatcagag ttgggatggc tacccanaat aggggatcct ggagatttcc ctgtagacgc 360
tttgcattta taaataatcc tttatcaagg gcagagggat ttctgtagga cttctccctt 420
agaagaactc agcctgggta gaaatacgag gattaacatc agcacatatt catctccaaa 480
aaattttcct ccccattact cacacttgcc aataaataac ttgctttggg taaatattca 540
gcactcagtc ttagtccaaa gcatttgctc agcaatcact gtgtanagta canagtaagg 600
gggataccac aaatanaant ttgctctatt ttcttaa 637

<210> 1732
<211> 423
<212> DNA
<213> Homo sapiens

<400> 1732
cacattttct tgcttctttg catgtttctt aatttttttt attgaatgcc aggcattgta 60
tgtaaaggaa tagtagacaa taaagtaata ttaatgacca gaaraaaatc atttctcctt 120
agtcttatta ggccactagt gggctggggg gtggggagaa gggtggtgct gactgaatca 180
tttaagtgat tttaatttgt aatatatttg catgtattag ctgcttctac taatcactta 240
tttgtccata agccttgcat ctagaaatat ggcaatatag gaatattact gctttctgaa 300
gtttcatatg cttctcacct tttatttttat gtttgatgat tttaatattt ttcctgcatc 360
agagtagtag gaatatcttt gcaacattaa gaaatacttg gtatgggtta cttacttaca 420
ccg 423

<210> 1733
<211> 1281
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1277)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1278)
<223> n equals a,t,g, or c

<400> 1733
agtttgctgg tcttccaata ccgaagaaag ggtggttgtg acaatacctc ttgcttctaa 60
agaatgtatt ataaaacacc gcagattttt ttttttcctt aaaaaacact acctgatgct 120
ttccttgttc gtggggattg tggtcacatg aagctctttc tgcatcagta ttaaggtgta 180
tatttgaatg tcctcccctc ccctttcccc tccaggctgt gtagctttga ggggctgggc 240
gtttgctcac gaccttgctg tctcgctcag aacatgctcc gcaaagttct ccgcacacac 300
ttcttcccca tcaagcccat ttccttcccc aaccacaaag gtgtttgtga ttcctcaccc 360
cgggaaacca aggagctgca aagkggagtc tggttcagcc ccgtgcagac tcacccagag 420
cttaancgtt gtctttcaaa caccctgagc cttcctaaac agccagtgca gacgttctct 480
ctgggccacg aagcccctcg ggtcctcccc gtcccctgst ccgatgcata cctcagtgca 540
gaaccacaga atctctgcag cggaaacgcc gtgcatctct tgtctgttgg cagcgagcac 600
atcgtgctgs gagacacgag tttctaagca gctggcacga gggctgctga cggcatgggt 660
cgtgcttcag ggtggcaata cctcttagga acttagggca ggaagcaata cttcagcatt 720
gaatgtgtgt aaatagttgc tttgagttgc aattgctatt ttcttctcag tcccagctca 780
gatcgaatta tatatccata tatatatata tatatatata tggtaaacaa gcacacacaa 840
ttttatccaa tgcaaacaaa tgtagagcat cagttacaaa accctcgaat agcttgagag 900
ccccacaggc tctgccacac ccgtgacttc atccacactg acgtcacccg cgggggctcc 960
ccctgcacat ttgcacacga tccggagagc cgaaggccgc gtgcttcctg tcacatgggc 1020
tgtaatcatt tgtagtttcc aaagacacgt ctgcatttga atttctagat tttcgaggta 1080
aggagttttt tttaattggt tgtttggaaa atcacatcat gcctagaatc tgaaattgaa 1140
ttagcaagaa ccgactgttt gcattttcca tatatccttt tatctgctct ttttaaattg 1200
ttaattctaa taatttcaaa atgcattcac tgaagaaatg gacattaaaa tattctaaaa 1260
tttaaaaaaa aanaaannaa a 1281

<210> 1734
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<400> 1734
gttttaagaa tgcagcatgg gtctggcttt ggaattgant tcaatgctac agatgcgtta 60
agatgtgtaa acaactacca aggaatgctt aaagtggcct gtgctgaaga gtggcaagaa 120
agcaggacgg agggtgaaca ctccaaagag gttattaaac catatgattg gacctatrca 180
rcagattata agggamcctt acttggagaa tctcttaagt taaaggttgw atctatatga 240
tctgttgtag gtacagaaaa attgaaagcc agaga 275

<210> 1735
<211> 1031
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (796)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (821)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (976)
<223> n equals a,t,g, or c

<400> 1735
gagccaatct tgatggtggg tgtggcatta tgtgctcact ttattgagcc tatgttaatt 60
tctttagcat gctcccccta aattgaaata gtgatgtagt aaatattcag aagcgatttt 120
cttttgcatt tttacctaac caaggaaacg ggccacacac cttggtttag ggatgttgtg 180
atagcttacc ttccagtttt taagaaatgc ttcctrcaac tgctgtcaac cactgtattg 240
tctttaatga acactgttgt atcccatcct aattcttgta ctgaaatyat ttctcatgaa 300
agtttctcta atatttctaa tgaaagtttc tctaatttgg gggcataatg tactaaraat 360
cagtttgctg tatattagaa taaatagtaa cagtaagtca gcaggattat ccaaacaaaa 420
gactaggttt tatgagataa gcttgattta agaaaaaaac aattaaagta tgratatcmg 480
aaatactgtg kgtttactct cagattttag ttggttggat ttaatatcaa gataactagc 540
tgctaagcgt ttcataattc tcacagtgat attagatttc aaaatgacac tgagagaact 600
gaaaaactac atcagtcaaa ttcatgtatg tatatcatat agcctttaac tttttacatt 660
aatcagattc ttagtaaaat gcagmctgta tacctaaata ttaaaatatt tacttttata 720
atcttacctt ttatttcaat ataaataaaa ttcttcttag gttaaaaaat taatttcagt 780
tgtgtttatg ccaganggca ttgccttagt tggtgcaagc nctcaatatg tttcattctt 840
ttttatagtc tttcacattt ataaggaaaa gccttatctc caactgaaac accagtctta 900
ctactacggt tttaaaagtt gttaatgatc cattatctat tataaggcct ttatttacat 960
agcaaattac ttaacnttta ttttgaatat aacagatttt taaaacggga cctttaaagg 1020
agccctaggg g 1031

<210> 1736
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<400> 1736
ccaactgccc gttcaaggcc atgggttgtt tggggcccag gaagtgctga accatgtcct 60
aagggacatt gagctgttca tgggaaagct ggagaaggcc caggcaaaga ccagcwggaa 120
gaagaaattt gggaaaaaaa acaaggacca gggaggtctc acccaggcac agtacattga 180
ctgcttccag aagatcaagc acagcttcaa cctcctggga aggctggcca cctggctgaa 240
ggagacaagt gcccctgagc tcgtacacat cctcttcaag tncctgaact tcatnctggc 300
caggtgccct gaggctggcn tagcagccca agtgatct 338

<210> 1737
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<400> 1737
gacacacatt ataatctaat gagttaagga aaaatgcttt gattcctata caatttttct 60
ataattgctt ttacacatct cattttcaga agcactcctt gtttttttgtt tgttattgtt 120
gctgttggct ttcttgttag ctagaagaag acataagcaa aaaaatggac aaagatgaag 180
aggctttgaa ggcagctcaa gcagaactca rggaggcccg acgccagtgg caccacctgc 240
aagtggaaat tgaatctctc catgctgtgg aaaggggsct tgaaaactcc ctacatgccr 300
gcgagcagca ttaccagatg cagctgcaag acctagagac tgtgrttgam ggwctagaga 360
aagagctaca ggamgttaar rcgckgcawc swaaagcagc tttcaagwgc acgwgatgnt 420
tnttca 426

<210> 1738
<211> 792
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<400> 1738
ctgcgggcgc acacagtacg acacgaggag aaagtgccat gtcacgtgtg tggcaagatg 60

ctgagcccgg ctgacccttt taatttttaa gartgttcaa tccgagatga atcatttgaa 120
gtatttttat atgtatatct atttaaaact aatatattat taaagcttaa ttgccatgcc 180
gtttatcttc tctgaaagaa cttcaaatct tacctgccaa catattcacc atnawttatt 240
ttttaatacc tttcatacaa taacttttt aaaamaacct cagattgaaa aagcaaccta 300
aattactttc gctctctaat cagcatttca atgtatttat ttttaaatgt tctcaaaaag 360
taactaaaaa attgtgtcgg accctacttt tgagaaatct acgtttccca agttttatgg 420
gaactggcta ttccttgtcc cggcacacct tctcattcct tcctttcaga gcctaaaacc 480
tcatttgata agcactccta gtctctggcc tgtggatcca gtgctattct gtcaccaacc 540
taagaatccc aattgcacct tctgtttctg acagtcacag gtgacagctg tgattctata 600
atacagactg gtgtcttaga ggtaggaata atacatgatt atgaagcatc accctgctaa 660
tacataataa tgtcttttta tattataagt gattgagttt agttcattty aatacattgt 720
acatgaaaaa atgaaaagta gaactttgta atactttaat caataaaatt aattaccaaa 780
aaaaaaaaaa aa 792

<210> 1739
<211> 468
<212> DNA
<213> Homo sapiens

<400> 1739
ctacccccct gagactctgg ctttctattt tatagaacta ttttaatgat agtttaaaca 60
tgtatacctg ttactggtta ttttctgttc cccttatctt gggagttcag cataatgctg 120
tgcggatcag gataacaagg tcccactgag gtgaaggagg gaggctggga atgctacagc 180
ctggagtgga ggtgtgattt cagtaggtgg aaggttgtct tcctgaaagg aattggcaga 240
agtagattct tactgattca gatacatttt ccaccaactg aaggaaggaa ttattaaagc 300
caatggtgaa caaagcattt caagcatttt ataggaagtg actagatgag gagatttttt 360
tcattccttt tttaatcagc aaaaaagaaa ttagtattat tgaattagca gattcttcct 420
attctatatt aagaaagatt taatttttgt accaaggaag gttaggtg 468

<210> 1740
<211> 107
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<400> 1740
gcaactagcc acgagttgtg tttcatctga accttcatcc ccctcctcct ggggactatt 60
ttgaaataaa tctaagacat cagggccagg ctcagtgatg ncttaga 107

<210> 1741
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (461)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 1741
ggtttagctc attgttgaaa ctgtttgctt taattcaagt agtctagtgg aagaaagaaa 60
ggtggcatag tagcagttgc agaatgaaac ctggaagaga gaaagctatg tctaacaagg 120
gcagcagctc tgagttgcca gctagttagt agcagttagg atgagaagtg ctgaccaact 180
tttctgtatt ctgaaatctt agggtcaaaa tatatttcat ctgtgtttta actgtgcagt 240
aggactgtaa agttttcaca atactttggc ttttccatat ttgtatggtt tgtatttagt 300
taatcttaat aaaaatttag acttcaagaa aaattgggag aggaggtgwg taattttgct 360
tgctttctcc tcgttggatg ttgggtctca taactctaat attgagggta aattttgctt 420
ttgtaaaatt ggactgaagc taagatcatt ccatgagagg ntcanaanaa cttgcacaag 480
tgcta 485

<210> 1742
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 1742
gctggaattc attggatagc aaccaactct ccaaggcatt gttctcagta cagacctggc 60
ctgagtatcc tccaaatctg aacttttaga gatgaatcca aatcaataga gagcagagtc 120

atagagagtt actgtcagag agcatccagt taaagggtga atgccagagc ccatgtgtat 180
caatcaatag agtgccacat gcctatttga agtattatac caaagtgtga cacgtgcatt 240
ctgcgtttgt gctatcctat gcctatcatt taaagttgct cccaaagtaa gtcatttggc 300
tttccaacaa ggacattttc tttcatttta caacatgcaa tatatttgta acgacctggc 360
atttttctga attnaagttc accacccttt gcaggacnga naangactgc cg 412

<210> 1743
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<400> 1743
aagctggtac gcctgcaggt accggtccgg aattcccggg tcgacccacg cgtccgtnca 60
tgcgtccgcc cacgcgtccg gatctactga gtaaagaccc ctgcctttcc tcccggtcag 120
gggtcctcca gtgcgtgatt tcttggttct ctcaggacat caatgatcat cctttggata 180
ggtagcgaag tcacattttg ctgttaagtg gttgtttttc tattctttgc ccctttccgc 240
agcagcaggt ggggcctcgt ctatgcactg cgctcaggtg cagatggtat cgagataatt 300
gcttgaattc ttgtgcagac ttttgtaatt ctgcagtaga gacaaaagtc ttggaatccg 360
tgctatcaat gtaagaatgt tggaatgctg ttaa 394

<210> 1744
<211> 953
<212> DNA
<213> Homo sapiens

<400> 1744
gtccggaggc agcagtgtcc acctttcaga cccagttgca ccatcttctg caggactgta 60
ttttgagcct gaaccaattt cttccacgcc caattatttg caacggggag aattttmmag 120
ttgtgtttca tgtgaagaaa actcaagctg cctcgaccag atctttgatt cctaccttca 180
gacagagatg cacccggagc ctttgctcaa ttccacacaa agtgctccac accatttccc 240
agacagcttc caggccaccc ctttctgctt taaccagagc ctgatcccag gatcaccttc 300
aaattcctcc attctctctg gctccttaga ctacagttac tcgccagtgc agctgccttc 360
atatgctcca gagaattaca attcccctgc ttctctggac accagaacct gtggctaccc 420
cccagaagac cattcctacc aacacttgtc ctcacacgcc cagtacagct gcttctcctc 480
ggccaccacc tccatctgct actgcgcatc gtgtgaggca gaggacttgg atgctctcca 540
ggcggcagag tacttctacc cgagcacaga ctgtgtggac tttgcccccc cagcagccgc 600
caccagtgat ttctataaga gggaaacaaa ctgtgacatc tgctatagtt aatagaaatt 660
acagtaattc agaacatggc atgggtatat ctatttttct accacgtcta gatgacactg 720
caaaatatgc aacttggtaa cacaatatcc caagcacagt ttacatgtca ctatttccaa 780
ttttctgatg ctaagcattc atatgaagtc ctcagacccg gtcacagcgc cactcctact 840
ttgtatgctc atagtttaaa tttttgtagg aaactttcaa ttgttttact ttttgtataa 900
cgaacaaatg ctgtctcctt ttttactaat aaataatttt gtattactaa aaa 953

<210> 1745
<211> 392
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 1745
agttgatcaa aacggaggga caaaaaacgg ggtggggtgg gaagcaggaa acagtctctt 60
aacttctcaa ggactcagct ctcactaagg agnaatttcc tactgtctct ctgggatgct 120
attgtgatat ttaattaatt ggaattcttt tctcttatga ataatttctc tgagcaacag 180
ggtacaattt tgcatataag gcaatagaac tatagggagg aacaagntca aatgcttncc 240
tttcaagaag gtgccgtata cgtcttatat aaaaatatac attccattaa tcttatatcc 300
tctccctaac cactaaaatg caaatgaaaa tatttatata agacgtatac ggcaccttct 360
tcaaatgctt ccttttcaag aaggtgccgn at 392

<210> 1746
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<400> 1746
cctccctgca gnttgagatg tgtcnaagag acaggctcta atacgactca ctatagggaa 60
agctggtacg cctgcaggta ccggtccgga attcccgggt cgacccacgc gtccgagatc 120
agttggcctt atttcctcag tggaaatcta ctcactatga tgtggtagtt ggcgtgttgt 180
cagctcgcaa taaccatgaa cttcgaaacg tgataagaag cacctggatg agacatttgc 240
tacagcatcc cacattaagt caacggtagg ttttctgagt tgttgccttg cctggtttat 300
tgaaataaga gttctgaaaa acctagccag gcgtagtggt gtgtgcccgt cgtcccagct 360
accggggagg ctgaggtgga aggattgctt gagcttggaa aattgaggct gcaktgagcc 420
atgattgcac cactgcattc tagcctgcat gatgggaatg agtccctgcc taatttaaaa 480
aaaaanaaaa agggccggcc nccttttcgg gcggnccccg tttcccagga caa 533

<210> 1747
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<400> 1747
agatgctata aaagtaaaag aatataataa tttgctcaat gctcttcaga tggattcgga 60
tgaaatgaaa aaaatmcttg cagaaaatag taggaaaatt rctgttttgc aagtgaatga 120
aaaatcackt ataaggcaat atwcarcctt agtagaattg gagcgacaac ttanaaaaga 180
aaatgagaag caaaagaatg aattgttgtc catggaagct gaagtttgtg aaaaaattgg 240
gtgtttgcaa a 251

<210> 1748
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<400> 1748
gcatgtgnga gacgtgattc tggaagtgaa cgggtatcct gttgggggac agaatgacct 60
ggagaggctt cagcagctgc ctgaggctga gccacccctc tgcctgaagc tggcagccag 120
gtctctgcgg ggcttggaag cctggwttcc ccctggggct gcagaggact gggctctggc 180
ctcggatcta ctgtagagca cccctgcttg gtacagacat actcaggggc taccgtgtct 240
tcactctcca gcctgaggtg gtgaaggcag gatgctctct ctaaagccag accagaggga 300
ctcagacacc accgatcaca ggctggccca ggtgctccct cccttcctgc ccncn 355

<210> 1749
<211> 832
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (777)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (791)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (799)
<223> n equals a,t,g, or c

<400> 1749
gaaaaaaagg ataaaggaag gacttaagca aaatcttcct tgtaagtaga aggatgtttt 60
gacaagaaaa gttgcaatgg aaaaatggtt ctcatgtaca cgagtatgta gaataagcat 120
cgtgtgtgga ttggattcag atcaaaacat tgcttttatg tttgtgtctt tatacggtgg 180
gagtataccc tggtgcccca ggatgaagac ttgacctgac ccatgtattt ttagattact 240
cacagataac aaaaagtatt ttcatcatga ttagttgcga aaacagtttt atttcaatag 300
gtaaaacgtg cagtcctatg taatcgtcag aaggtaatct taattatagc ttgggtgtgc 360
tttaaactgc aagctggcag tggagggcac gattcctctg atttcagctt tctccttata 420
cttttctgga gctgtgagct gcaagttaac tcagtgggat taaagtgtag actggaggta 480
caaaaggtga ggagtgagga gatagggtag ttcttccttg gctggctggc ttcatratcc 540
ctgggccccg cagataatta aatcgacttt ttctgtctca ggcatttgta tgacctcttt 600
ggaggttccc tgctgggtag ttatccttgt atctgatggg acccatctca atttaaaata 660
cttctgccag ggttcgggag gtttcatggc ttgttcatcc ccagcacttt tggggaggct 720
tcagaggtgc catttggctt tgagccccaa gaattttgag acccagccgg gggcaanccg 780
ggggttgaaa ncctctttnt tcccatttaa aaattaccaa aaaattaggc cc 832

<210> 1750
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 1750
ggagagatga gaatactatg aaaaatatat tttcaaaaaa gaggaaatta gaagttgcat 60
gttcagattg tgaagttgaa gttctcccat taggattgga aacacatcct agaactgcta 120
aaactgagaa atgtccacca aagttcagta ataatcccaa ggagcttact atggaaacga 180
aatatgataa tatttcaaga attcagtatc attcagttat tagagatcct gaatccaaga 240
cagccatttt tcaacacaat gggaaaaaaa tggaatttgt ttcctcggag tctgtcacty 300
cagaagataa tgatggattt aaaccacccy gagagcatct gaactctaaa accaagggag 360
cacaaaagga ctcaagttca aaccatgttg atgagtttga agataatctg ctgattggaa 420
tccagatgtg gatnagatat taactnaaat tatnaggaga aggaaacttc caccaaggga 480
gcag 484

<210> 1751
<211> 772
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (766)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (772)
<223> n equals a,t,g, or c

<400> 1751
gcgcaagtac gagttcgaaa aggacctcag taagcagctg ggcttcttct ccttccccat 60
cacccacgtg ctcagggacc tttccctggg cttaaagaag gtaaaaggct cccgcatcca 120
cctgtcctcg gagacccacc ggagctgcct gctgcgtaaa ctggaggagt ccaaaagggc 180
ccggcaggcc tcccggctca gcacctccca ctgnagcaca gagacaccct ctgtgcagca 240
ggaaccagcc acccacactg cccaggacca ggccacagag ccctgccgct ccctctacac 300
caacttgcca gccagccggc agctcagccc tttggagccc aagctctaca tgtctgcctg 360
caccggcatg ggttccagtc cccccaagtc caaggacatg gacaatgagg gccgtgataa 420
agccgagatt gaagatgaag atgaggatga gttcaaggat gaagaccagg atgaggacaa 480
ggatgaggat ggagtctaga gcctcccaga gcctggagag gaggcctcgg tcagccactc 540
cgtggacgtg ggccacggtg acccaccatg aagtccccac tagccactcg attccctgct 600
ctgtcagagt tgctgcacat cacaccagcc cctgccaaga gcaggagtca ccacaggctg 660
aatgcccacg aggagctctg ctgagactct caagggagcc agtgaaagaa atagaaataa 720
agcctgtgyt gctgggacac aggtttgctg tcctgaaaaa aaaaanaaat an 772

<210> 1752
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<400> 1752
tcgacccacg cgtccgacca gcatgaggta aagaaaagak gcataatgtt tgcctttgtt 60
ttgtttttat tttaaagccc aaggtctttg tttttgaagt aacagcttaa tttttaccct 120
tcataatcag gagagttact tagatgctct cttcatgatt tgttgaggtt ggaatgattt 180
ggcagtccct gaaatttatt ttggggagga ggtggcagaa gagtggagtg taccaggtta 240
tgagatttct cttaacccac caacctaact tctgttcttt ctgcacctca gagatgaaga 300
agagatgatg atttctcttc ctcaagtcct tcttattctt gctgtcctgt tttttcaggc 360
caagattggn cttgnttgtt tgca 384

<210> 1753
<211> 222
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<400> 1753
atgacacaga ggctgatgtn ttggggcttg tggcttcagg gacccctgat gtggccaggg 60

ccatgactca caccctactc aggcatctgg cagcaaggcc ccctacccag gcccagcacc 120
agcatcagtg tcccycatgc ctgctgcccc ttccaggggt tctaacagga tgggggtggg 180
tctggcagaa ggcagagtta tctgaagcat gggggcagga gc 222

<210> 1754
<211> 650
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c

<400> 1754
aaataatttt tacattttgt attttccaac caaacagaat cgggaccagt attcacatct 60
gctaagtgat cattttctgc cataccaagg tcataattcc ttccgtgaga aatattttag 120
tggggtaaca aaaagaattg ccaaggaaga aaaatccacc caggaatgaa aattaagatt 180
ttgncaatga agaaagaata agaatttgat ttaaaaagac atctggatgt gaactttcat 240
gtatgatcca gaaaataggt acggttttaa aatattttat atagaaaagc tacaaagtaa 300
attgagcaat gcttttaaag ttatctttgt tttatagact tttttgttgt atgtattaca 360
gtctttataa tcttatttaa tgtatatttg tactttcaag tactgatgga gatagactca 420
aaacagttat ttttttacaa ttaatctaca aagggaatta atattgttga cttttaaaac 480
atctgctgga tatattatat gcaattaata gtagttaaga atttattcat ttggtagata 540
tgtttatttg gtttttggtt gtcatcgatt tacattgcca ctaataaacc atattgagaa 600
tttctaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa 650

<210> 1755
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<400> 1755
agtgttccgg gagcaccggg nctccgtcat ctgtctggag ctggtgaacc gactcgtgta 60
ctytggcagc rcggacagga ccgtcaagtg ctggctggca gacacagggg agtgtgtgcr 120
cacgttcacg gcccacagac gcaacgtgag cgccctcaag taccacgcgg gcaccttgtt 180
cacgggcagc ggggacgctt gcgcccgggc cttcgacgcg cagtctggag agctgcggag 240
ggtgttccgg ggccacacat tcatcatcaa ctgcatccag gtgcacggcc aggtgctcta 300
caccgcctcg cacgacggcg ccctgcgcct ctgggacgtg cgcgggctcc gaggtgcccc 360
gcggtcccct ccgcccatgc gcagcctctc gcggctcttc agcaacaagg tgggctgcgc 420
cgtcgcgccc ctgcagccgg cctgatcccg cggggccccc gcagacgcca gcccagacac 480
ccagcggctc ccanagcgcc ccgncctgct acccgcggtg gtggcncccg atggcccggc 540
naggggcnag gagcgaggaa 560

<210> 1756
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<400> 1756
ggcaacagag cgagactcca tctcaagaaa agaaaaaaaa attgtaattc ttatacccct 60
gctctgcttc tttatcattg tgtaatttta aaaacaactg rcatatatta tacaggtact 120
tgtttattgt ctatttctac cactaaaatg gaagctccaa ctgctattag attaatttcc 180
ctcccaggtc caattttgat tatgttactc tgaccaagct gatcttttct cttcaatcta 240
gacctttaa ctaccttcaa aaatacaata aatatgatta tnctagact 289

<210> 1757
<211> 490
<212> DNA
<213> Homo sapiens

<400> 1757

gggagcactt ggagcggatg ctggggcagg ctggggagcg ccgggctgat gtgtacgtgg 60
gcgtggatgt gtttgctcga gggaacgtgg tcggaggccg attcgacaca gacaagtcgt 120
tggagctgat ccgaaagcat ggcttctccg tggctttgtt tgcccccggc tgggtgtatg 180
agtgtctgga gaagaaggat ttcttccaga accaggacaa gttctggggc cgactggagc 240
gttatctgcc cacacatagc atctgctcct tgcctttcgt cacgtccttc tgcctgggca 300
tgggtgcacg gagggtctgc tatggccagg aagaggcggt agggccctgg taccacctga 360
gcgcccagga gatccagccc ttgtttggag aacacaggct gggargggat ggccggggct 420
gggtgaggac gcactgctgc ctggaggatg cctggcacgg aggcagctcc ctgctcgtcc 480
ggggtgtgac 490

<210> 1758
<211> 855
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (837)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (849)
<223> n equals a,t,g, or c

<400> 1758
agaattgaag gagagatgtt gtatcactgt tagaaggctg ctttgggaca ttctgcagca 60
gggaggaggg actgtcaacc cctacaccat gaccaccaag ttsctcacct tsgctgagtc 120
cctaaaactc tctgaacctc aggttcctcc aagcataatg cagacttcac agagctgttg 180
taaagattag gtgaggtcaa ttgatactgc ttaaaaggcc cggtccgtag aagatgccca 240
ataaacatta ctgctttccc cstcaccmta ctgcctgaaa atattacacc tgtgagactg 300
acttkgagaa ccagtgtggg tnsggagttg tgcatataaa ctatttartg agtaccnaac 360
acaaaagtca agcttgtaaa atatcaggcc ttgccccaga aagacaaata ccacatgatc 420
tcactgatat gtwgartctt aaaaagtcna actcagagca gagagtagaa tgatggttat 480
caagggctgg gggagggagg gactggggag atgttggtca aatgatacaa aggtttagtt 540
aggtggaata agttcagaaa atcaattgta caatgtatca attatagtta atagcaatat 600

caatatatgc aaaagatata taaagatgat aactaatata gttatactga gcctgatcat 660
ttgcatttcg ttagctttct ggattatatc aatgactgca agcacctatt atggtaactt 720
acgacctatt tctccgtggc gttggctgtt ttctgttgtt gttcctgttc tgatcgtctc 780
taatggcctt aaaaagaaaa gtctagatca cagtggggct ctaggagggc tagtcgttgg 840
atttatccta accattgcaa atttcagctt ttttacctct ttgctgatgt ttttcttgtc 900
ttcttcgaaa ctcactaaat ggaagggaga agtgaagaag cgtctagatt cagaatataa 960
ggaaggtggg caaaggaatt gggttcaggt gttctgtaat ggagctgtac ccacagaact 1020
ggccctgctg tacatgatag aaaatggccc cggggaaatc cagtcgattt ttccaagcag 1080
tactccgctt cctggatgtg tttgtctctc ttggctgcac tggcctgctc tgctggagac 1140
acatgggctt cagaagttgg cccagttctg agtaaaagtt ctccaagact gataacaacc 1200
tgggagaaag ttccagttgg taccaatgga ggagttacag tggtgggcct tgtctccagt 1260
ctccttggtg gtacctttgt gggcattgca tacttcctca cacagctgat ttttgtgaat 1320
gatttagaca tttctgcccc gcagtggcca attattgcat ttggtggttt arctggatta 1380
ctargatcaa ttgtggactc atacttaggg gctacaatgc agtatactgg gttggatgaa 1440
agcactggca tggtggtcaa cagcccaaca aataakgcaa ggcacatagc agggaaaccc 1500
attcttgata acaacgcagt gaatctgttt tcttctgttc ttattgccct cttgctccca 1560
actgctgctt ggggtttttg gcccaggggg tgaactttat ttcatttcca caggttgaaa 1620
ctggtgagtc cagctaaatt tgcaattcca actttcatcc taagaataat aactgtaatg 1680
gcaaagcgga aatgccagtt cctcctgtat tccattgaga tgggatttca cattttcctc 1740
tcatcaactc ccctgtaata gctagcgtct ttctagygaa agagaagaat tcctagaact 1800
tatgcatttt tttcctgctg aatggaagtc ttgagcaatg aagctatatt gtccctacat 1860
attactatat attgaactga aagttcttac ataatcaatg tcaagttttg tcttattttg 1920
ttttgtttgt ttaaaccagt gtaggaaata aaagtgatga tatttaaaat agttctcagt 1980
tgaagcagag aaatgccact gtgctagttg cccaaatgtt gtatctattt taaatagttt 2040
aagctgatgt gtatgggagc ctaaacaagt gtagtatcct gaacttctcc cattaattgc 2100
tattcacaat tgggaaaagt gtggagattg gttcctagtg agttttgtgg cctactccac 2160
atttgttctt ccttcctcag ggttagtgat gaaaaaaagt aaatatcttt ttcatatgtc 2220
cattagaatg tatgaaaaaa atcattttaa ctaaaagcaa aagaatttta tcttatatct 2280
aaaaaatata taacttacta tatgtttcag ttgctctctg aacaaaaatt atcttcaatt 2340
taatatgtgg aatgtgtttt ctagctttct ttgaattatg tatggcaacc tggtttagca 2400
ctggcatcct gaacagttaa gagtcactgg gaaattattg tatttcttta taaatttact 2460
gtcatatcaa ttgctggaaa atgctatgat ttttctatta ttaccttcta agttgtattc 2520
tctcttacac tgtagcctca actaaggcaa ttctgctatg tttgttcttc actatgattt 2580
actgtgtgcc aaaggagttt tgacagggta cagagtattt tactaaaagt atttttaaat 2640
gtttctcatg tgatttctgt accttcttcc tcctgcccct tttgcttttt taaagaaact 2700
ggggaaggat ttatgaatac accacc 2726

<210> 1761
<211> 1033
<212> DNA
<213> Homo sapiens

<400> 1761
aaaagagttt atatacttct aaaagctcct aacttatatc caaagaattg ctttctgatt 60
cgtgtagtct ctcccacaga ttcataaact tttatgactt atattgtttc caggtgggca 120
tggtttattt cccagtttaa cagttcagaa taggggcatt tattttatca tattttaggg 180
tgggttagga gtatcctttc tggagactga gaaaggggtg tatttaattc catcaggtcc 240
agtacagtac taggagtcat aatactttat aatcaattaa ataaatagaa ccactgagac 300
aataatgtat ttttttaaag tggcaaatgt ggttttcttt tttcagcctt tgcgcttttt 360
cagtattttg accataggga gataattttt ttataataca aaagtaacca cttggaattt 420
taaagataat gttatgtgtg tatgtgaaat atatatacat atatatatat atttcctaaa 480

agaagaaaag ataccttttct gttcaacttg tatcaactcc tcttttctaa ttgctgtgaa 540
atggcaactg ttgataaatt attgtgattg ttttaaaatc taatgggaag taaaatatat 600
tttgatttta cccagcttaa tctgtaaagt agcacttaaa tatatctgat agcaacactt 660
aagatattgc atggggatta ctttcctatc atccatatgc atttgtgcaa cttcaaacat 720
attgggtgct tctgaattcc tgatgattgg atttaagcta ttgaaaattg gataatttaa 780
acttaatgat ttttataatt ttctgatctt aaaatttggt taatgcctat aatctgttgc 840
tttttctcaa tatgtgtcct attggaaatt cctcaaatcg ttggtgccat cagtgattta 900
caaacaatat tttgatattg cagatgactt gcttactgta tttgcattgt tagaaaacag 960
tttgtagaca atgattcttt tttaataaaa tcaaataatt ctaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaa 1033

<210> 1762
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<400> 1762
cctctcggcc gtaggttagg nagattcggg tgggaatgca tgaagctcca cngaagtatc 60
ggtatgtagg gtattctgcc caagccctgt tcgcatacca aaccaggngt taaataacat 120
caggctctgg gggaatagaa agcmggcttt agacaatctg tccatttcta cagtaaaatt 180
ggagtgagtg tgtatatcta cttaaaactt aatagaagtg acttctactt tttgggctat 240
tccagaagta ttttaaaatt attatttaaa attttgaagc cccatttcaa atcttgccga 300
ccttagttca aagcccccctg agagatcact tttagaattg aggatttgtt aaaatggcaa 360
gtcatttcat ttgtgttaaa aagaaaatac ccaaaaggaa ggagggagcc ctgtttgcct 420
tgagataaac ggccttggca ttttctggca ttaatgtaga aataatgttc ctatgatgac 480
atattttcaa agaaacactt tcttatttac tgtgtggtgt aaaatgttgc taaatgtgtt 540
gttacattat gtcactgctg aaagtaattt gcactataat aaaggaattt tctacaaaaa 600
aaaaaaaaaa aaaaaaaaaa a 621

<210> 1763
<211> 736
<212> DNA
<213> Homo sapiens

<400> 1763
gactttctgt gtttacttgt atgaggaaaa acagyacata raggcatcca cagtatttaa 60

tttgtttgga taacagttac agataaacag gtacacccca tatacaatta cyaatacttt 120
ttatacagtt catatttcag tacatcaaca ctattttatt tacactctat ttatryacat 180
taacatcttt ytaaattggg attattgtcc atatgcttta tatttttat tccagtgatt 240
tccctttag gaatttatct gaggggagaa tactctgtaa ttactccata atttgcaggc 300
aaatatcatc atagcatttt ttaggagagt aaaaagttat taacaactta tatttgtctc 360
acattagagg aatggttaaa taaagcatgg tgtattcatt ggataaacta taatgcagtt 420
gttgaaaatg attaccagga gtttttgcta acatttatgg gaacatgctt atgatatgtg 480
aacatttttt taaaaacaag acataaagtt gcatatactg gaaataatac cttcaatatt 540
gaaaaaaata ctatttagga aaraggacag aagaaaatct gccaatattt tgacagtggt 600
tgcctttgta ttaagaatat aattaagaat ataaaaggat tccctgcctt ttaacatttt 660
tctctgcttt ccaacatgaa tattatacct agtaatcaga aaaaaaacag aggcaatcac 720
tcttatcctt tacatt 736

<210> 1764
<211> 1371
<212> DNA
<213> Homo sapiens

<400> 1764
cagttaaata actcctggtg acacttcagg tggtagaatt gaaacacaaa cctgacttct 60
gaccacatgg gtcaaaggca aaaggcaaat ggcttcaaag cccttagtgt gcttatccag 120
ttcaggcagt gaggagataa cctctgcttt cctccctgag gagtttggag tatttaaggg 180
gggatggggg gggtgtcact ttgaaaatat gttgcttttt ctcctgattg tattgaggct 240
gatatggaag ggttatttct ttctggccaa tacttttgg tatttctaaa tattgcaatc 300
ttgattttta ctattaaatt tgttaattgt cagttctggc ttttttgcat aaagagttgg 360
tccattaact tgccaatttg aagcttctaa ctagatattc cctactgaaa gttttggatt 420
tgtttttagt ttgtggagca gtcttagctg gggacaggta attgacaacg gcagagatac 480
tttcttttcc taggattcta agtctgtaat ccacatcctc aatgtattca caggacttta 540
aaattctctc caaatgagga aggaaatatc ctgttgcttt ctaatgttta ctaaaagttg 600
tgtttagaac aacagatttt aataggcatc ttcctttgtt atgtgtcatt agccctttgc 660
ccgtttacct tagggctctt tgaaggagaa atggatggga gaaaacctgt cacttggcga 720
aagtaaaagg gataattaac tggctcagag cttatgtgca gagttccaag ccccaaagtt 780
aatctagaac cactcgataa caccaataaa aatatttatt tcacatctgt tatatatctg 840
gaaaatgttc taagcatctt acacatattt ctcattaaat ccacaggtga ccattgtgag 900
gtagatattt tgttctaatt ttccagatga ggaagctgag accctaaaag gctgaccggt 960
tccctgatgt gttacctgct tctgctactg atccaaactg cagaacttct cattcatccc 1020
caaggcctcc aggcagtatc caatggggaa tcagctctaa aaggaaccag accaacgttt 1080
tccagcccct tcattctgta gcttccctct gtgtgaggaa aggatagaaa tgttcaggac 1140
atcatcatac aggctcctca tctacaaagt tccagtagca gtgacgccta cacggaagac 1200
ttggaactgc aaacaggctg gggtcacctc agtgacatct gacgctgtcc aaccagaagt 1260
tcgatttttg ttctgggggt gaaggaggaa acagactgta ctaaaggact aaaataattt 1320
gtctatamwa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattccc c 1371

<210> 1765
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (510)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (716)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (733)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (738)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (757)
<223> n equals a,t,g, or c

<400> 1765
tacgcttctg ggcataatac tgaaacacaa aactgctttt gctctctctg tggttggccg 60
aaaataggat tctttttcgt gcaggtgtcg ttgtttagtc ggctttacta acatattgaa 120
atggctctac ccaaagacgc catcccctcg ctgtccgagt gccagtgcgg gatctgcatg 180
gaaatcctcg tggagcccgt caccctcccg tgtaaccaca cgctgtgtaa accgtgcttc 240
cagtcgaccg tcgaaaaggc gagtttatgc tgtcccttct gtcgycgccg ggtatcgtcg 300
tggactcggt accatacccg aagaaattct ctcgtcaacg tggaactgtg gacgataatt 360
caaaaacact atcccaggga gtgcaagctt agagcgtctg gccaagaatc agaggaagtg 420
gctgatgact atcagccagt tcgtctgctc agtaaacctg gggaactgag aagagaatat 480
gaagaggaaa taagcaaggt ggcggcagan cgacgggcca gcgaggaaga agaaaacaaa 540
gccagtgaag aatacataca gaggttgttg gcagaggagg aagaagagga aaaaagacag 600
gcagaaaaaa ggcgaagagc gatggaagaa caactgaaaa gtgatgagga actggcaaga 660
aagctaagca ttgatattaa caatttctgt gagggaagta tctcggcttc tccctntgaa 720
ttccagaaaa atntggtncc agttacaccc aagtctngaa aaagga 766

<210> 1766
<211> 736
<212> DNA
<213> Homo sapiens

<400> 1766
ggcagaggtg gagggcacgg aaggggtttt mccattcatg ttgtataagt gaaccagacc 60
accctgatgg catccacagt gatgtcaagg ttggggctgg ccaggggtgg gtggactaga 120
agcatttggg agtagtggcc agggscctgg acgctagcca cggagctgct gcacagagcc 180
tggtgtccac aagcttccag gttggggttg gagcctggga tgagccccgg cagcgccttg 240
gcccttctgt ggtccctgcc agcctctgac ctgggccggt cagtcattgc tggactctgg 300
ccacacactg gcgttctcat ccacttggaa acaagccagt cttttctgca aggtcagttg 360
accaagagca tatttccccct ctgttgtaca tcgttgtttt gtgtttgtgt tgtaacagtg 420
ggtggaggga gggtggggtc tacatttgtt gcatgagtcg atgggtcaga actttagtat 480

acgcatgcgt cctctgagtg acagggcatt ttgtcgaaaa taagcacctt ggtaactaaa 540
cccctctaat agctataaag gctttagttc tgtattgatt aagttactgt aaaagcttgg 600
gtttattttt gtaggactta atggctaaga attagaacat agcaaggggg ctcctctgtt 660
ggagtaatgt aaattgtaat tataaataaa catgcaaacc tttaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaa 736

<210> 1767
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<400> 1767
naacnggnaa gctgttcccc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgagcctac tctggttaag atgttctttt cctcaaaggt gccctagtgc catgatttaa 120
atatttttat taccattttg aaatggagaa gccattctgc atatgccttt gaattcctgc 180
ccctctttac cacctcttcc tccccctcaa aggaaaaaca tttcatccaa gtaagttaac 240
ggcattttct gtaggatttt cttatgcact gcacactctg gacctcacct gcagatacag 300
ttcccccctt gccaggagca tctgcatgtg gtacttctct tttccctcag ttgatatttc 360
ttatatgata ttctagatac tatagaactc aatttgtcag attcagtata acctcagatt 420
ttgttacctg tcttttaaaa atgcagattt tgtcaaatca aataaagatc aatggatgtt 480
gggtataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 521

<210> 1768
<211> 453
<212> DNA
<213> Homo sapiens

<400> 1768
aaaagaaaaa aatgacatta aattttgtca agatagcata ttgaaaatat aatagaaaaa 60
tatttgttta tctgctataa tatattatgt cataggtgtt atcttcagga aggcacactg 120
gacctgctaa attaacaaat ggaaagaaag cgtaagtact tgaagacgtt tacaacttca 180
gatttcaagg aatttttcag gtctttgggc tggatgacat gtcgtctacc ccagaaaatt 240
aggtaggcct ctaccatcac aagctctgag gaacaatttt tcatgtctac ccatgttaat 300
cattttagta tttaacagtc tttctgatct tcagaatgtg tttataaatt catcttgtac 360
atggttggac aagctttctt gtctttgctg graagraaat gactacttac taatatattt 420
tgggrraaat attkgtaaga atattaataa gct 453

<210> 1769
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (623)
<223> n equals a,t,g, or c

<400> 1769
ccctataggg aaagctggta cgcctgcagg taccggtccg gaattcccgg gtcgacccac 60
gcgtccgggc gactggcagg acgcggtgca gagagcggac ttccgcgacg cggaacgtcc 120
tacagtgtag gggaagcaat ggaagaactt ctacctgatg gacaaatatg ggctaatatg 180
gatccagaag aacgaatgtt ggcagctgct acagctttta cccacatctg tgcagggcag 240
ggtgaaggag atgtcaggag agaagcccaa tctatccaat atgatcccta cagtaaagct 300
tcaktagccc cagggaagcg acctgctctt cctgtgcaac tacagtaccc acatgtagaa 360
agtaatgtcc cttcagaaac agtctctgag gcctcccaaa gactccgaaa gccagtgatg 420
aagagaaagg tgctgcgcag aaagccagat ggggaagtat tagtaacaga tgagtcgatt 480
atcaagtgaa tcagaattgg tacagaaaat gatcangatc tcttgggact taagacaaan 540
gctggatgaa tgncagttcc aggaagacaa ngaatcttca tttgatggtt cacaaaaaat 600
taacctacca catgaatacc cangaatttc tcaaga 636

<210> 1770
<211> 643
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (632)
<223> n equals a,t,g, or c

<400> 1770
tcctcactaa gggaacaaag ctggtgctcc accgcggtgg cggccgctct agaactagtg 60
gatcccccgg gctgcaggaa ttcggcacga gcacgagtgt gcacatgtgc gcgcacacac 120
acacacacac acacacacac agaacttaac agcagtgatg tgtgttgtaa tatgcaactt 180
tgtaagttac atatcactcc ccaataccac cttctcagtc acggagtaga gatcttactt 240
cacaagaagt gagactcaga gaggtgaagt gacctgtgca aggtcaccta ttacagtgcc 300
agagttggaa ctaaaggaac ttcagtctgt gaacttcagt gtctttccag tagcatattt 360
gcagcagaag agtcaagaat gttgtgagct gcaactctca ctagaaccaa atgaccttat 420
tgggagatgt tagtccagcc ttaaaaacaa gctcttcacc tccatgaatg gcaagtgtct 480
gccctcttca ggccaaatcg agaatgacat ctataactga ggcaaatcct tcagraaccc 540
aagtcagacc ttgggattat ttgctttttc agtaagttct kggtcccggg ctgtgtcttc 600
ttaactcttg ctgttggggg acccttcagg gnaagcttac cca 643

<210> 1771
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (721)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (730)
<223> n equals a,t,g, or c

<400> 1771
catatttaaa aaaatatgtt ttctgtgtgt tgccaaagaa tagaaatgca attgattttt 60
taatattaaa cttatatcta gccatggtat tgaattcttc taatttctaa taatttgtct 120
gtcaatcatt ttattctttc taggtaaata tgatactata ataaattttg cttctttctg 180
tttctttcct tttcctatta tttacttttc ttgcattact aggctacttt ggacctttaa 240
taaaatgtga aaaagcacat ttatctttat attgatttta aacagaacac tctaaatacc 300
ttattatcgg taagactaat grctgctgaa gaattttact gggttgagaa aactgttatt 360
tatattgtgt taaatgtttt cattataaat gggtgttcaa ttatatcaat tttatttttct 420
gcatctaatg ggatgatcat aagacatttt tctcttttaa tctcttagta tgataattta 480
cattttgga ttttccagaa acatctttgg attcctagaa taagccagat ttatcacaag 540
tggattatct ttatcagata tatggctgct cttgagttac taatctttta cacttttgtg 600
tgtaaggaat gtttttaatc taggtgaaat tttgaatcta tgctcatgag taagaatatc 660
ctttctcata ctatccttat ctggccttag tactgagctt tagattatct tggagggttc 720
natttccctn cctt 734

<210> 1772
<211> 396
<212> DNA
<213> Homo sapiens

<400> 1772
gcggacgcgt gggaaaaaaa agaattactt gagatgcttg ttgaatatgc atattcctaa 60
gcccagccct aaatctactg aatcagaatt ctatttttaa tgtacactcc agatggttct 120
gatacttgaa caacgctata tttagcattg gttaagtaca gatattttgt ttttagccta 180
ttgcagaatt agctcaataa ttcataaaat gggtaattat tcataccaat gctaaactca 240
gtatttatta catcaaaatt tttaatgtat tggctaattt tggtaaagct aagaccacca 300
gtgtgaataa ggatggattt ttggttattt gccactgara ttttttagca tagatcccca 360
gaattatttt taggaaaagg atatgctgtg cttagc 396

<210> 1773
<211> 786
<212> DNA
<213> Homo sapiens

<400> 1773
gagctttagc tcgcctgccg ctcaccttgt gctgtgcagc ccggttccta acagaccaca 60
gaccccacac caggtctatc tcatttggtc tcagagctgt gaatcagcca gcaatatttt 120
agttgcaaat cactgaaaac ccaactcaaa gtgacttaag tcagaaagaa attttatgaa 180
ttcaggtaat taaaaagtcc agaagtatct gcctttaggc acagctggat ccaagggcac 240
aaatgatgtc atcaggctcc agttattctc catctcccag ctcagctttt tctgtctgta 300
agcctgattt tcaggaaggc tctttcctag tgatggagat gaccaccatc agctccaggc 360
ttctatcctg ctaacccagt aacccagtgg gaagagattt acttattcca ataattccaa 420
gtggagagtg tcattgaccc gtttggggtc tcatctctac ttctagggga atgaaacact 480
ctgagtggcc aggcctgtgt catgtgctaa ttcctagagc cagggaaata aggtctgagg 540
attcaggatg gggtgaaagg tggttgctta aaggaaaatg aaatacaatt agcagaataa 600
ggggaaacga gtggtctgct ctgctcgggc aaaacaagag atgcccatta ctgtgaggga 660
cccttgaagt ctggactctt aaatgggttt ttgctgattt cctgggtgca tgctaggatg 720
atggggcttg atgcagtagg gaagagacga tgtaaaaata ataaacaata tataccttca 780
aaaaaa 786

<210> 1774
<211> 676
<212> DNA
<213> Homo sapiens

<400> 1774
ggcacgagac tgaatattga aataatgtaa aagacctatt tcccgctagc tttaaccgat 60
ttgtcataaa caccttttctt gtatatgatt tttaaatgtt tgctaaatat taaaaagaat 120
tcaatgtgtt tggttttgta aaattacata tcgaatgtgt ataatttttt actaccatgt 180
tcatcacact taatctatat ccatatattg tactccacca atatttatca gtggacaata 240
aagaagtttt gaatgcatga atgcaactta agaggcacca cacttggtta ttttgcaatg 300
ccagaataac ggtgggtatt cacaaattga atagataatc cagattatgw ttcctcccaa 360
tttaagtttt tctgggtttt ttttccccc ttcctagaat caattttatc attttaccta 420
tgtacaataa tatacttcct ggaaaatgcc tagaattttc accatgtaac agaatttgag 480
catgacagta wtgtaaaaat attcagaagt ctcgaactat aggtttgagt tttcaaagta 540
aatcaaaatm cagctgtttt cattttacta gattgtggaa acctatggat gttattgtaa 600
aatgcatatg cattacactg actttcttaa aatgttttga attaataaag aattcaacaa 660
tgtaaaaaaa aaaaaa 676

<210> 1775
<211> 423

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<400> 1775
ttactatcta agtatgcaat tcttagggaa aagtgcctgg aatcttgcaa ttccaagata 60
tccattgtaa ttactctgga tttaaataga actggtctcg tagcacaaga attcctgata 120
gcaagatact tttcataaga taccttcaac ccggttaatt ttttttctgt atctgataag 180
gtaaagttta gttcaagagt acagaacaca tttatttact tttttgtctt tctgaaagta 240
caaaggacca cccttatcaa tctgtctttc ccagctactt ggaactctac gtgacttttc 300
tctttgtgtt ttatagaaat acgtttgttt ttatgatnca tttttgaaat tgtgatttng 360
tagggtatgc agaggagnaa attcgggaaa atttttaagg tattctgaag aagacacttt 420
aac 423

<210> 1776
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 1776
acgttgttga aaactgcttt ccccttttgaa tggtcttggc ccccttgtgg anagtcactg 60
cagcataaga gttagccttc atctctgggc tctcctctcc tgtgactccc gtaatgtttt 120
actcatccac ttcatggtgg accaccctct ggctctgtcc actctgccac ttttttcctc 180
tgctcctcac aggatcattt ccattgtaag tgtctccagc ttgctgattc tttattctgc 240
ctgctcagat ctgccggtga accctctagt gaatttgtaa gtgtcagtta ttattttcag 300
ctcttctagt yccatttgat caccttcata attcctatct kttgataycc tcattgtgtt 360
cctctgtgat tttcctgact tcctgtagtt ctgtgtccat ggcttccttc agttcttcga 420
gcacatttaa gacagtcggt ttaaagcctt tgtttactaa gtccaatgtc taggcttcct 480
tgggcatgtt tttgtcagtt aaatattttc ctttgaatga gtcatacctt cctgttttat 540
ttgctttaga ttttaggtca ctaaattttt ctttgtgtct aaactgctgt taaacctatc 600
cattcagttt ttaatttggg ttattgtgtt tttcagttga attttttttt aaccktatct 660
cctgtatctt t 671

<210> 1777
<211> 1779
<212> DNA
<213> Homo sapiens

<400> 1777
gctcgtgccg ctcgtgccgc tcgtgccgtt cattcagaag gtggagataa gtaataccta 60
ctcctaaatt tttatcctga tagtgagaaa atatataagc attttggaac tacagaacac 120
catacaaaat tagcattatt agtactgcat tatcttgtgc tcttacaatg ttttgtgtat 180
atgtatactg attttctact tagaatgtaa ctgttgtttt gtcaagtgct ttttccccc 240
cagcctttcc taggctagga tatatgctaa caagtactat taggagctgg cttgtgatca 300
taatgccaac tatagataag gcaagtagta gcctagtagt taactgaagt ttcaagttag 360
tcatgtatag tcagttttta ttatcatgtg aataaaataa aattgttttc cttttctttt 420
cattcaggaa aagttctagg aactattttg gtgcacaacc acattataga ttatscttgg 480
gwgatatgcc atttgtagct gggaaggtra gttggtcaaa ctccggattc tttttataca 540
acattgatcc ctgaattaag tccctgcatc tscaagtatg tctacaaatg gaaggaacat 600
tttyctgtgc ctttaccagt gtgtggatca tgcctttacc agtgtgtgga tcacagtgaa 660
tgtgaaaatg agatgtaggg aggtttttgg ggattaggga agcaaggaag agatggggag 720
gataccttaa agtagataaa gtatatgtgg aaaggaagtg ataaaacaga gaccctaagt 780
tgaagaaggt gttgtttcag ataggggtca aggaaataag aaatagtatg tttgtagcat 840
tggattttta gtatcmatcc tgttgagtta catttagata taggtagata ttcgaataag 900
cacgtagcac attctgcttg tcctcacatc cagatcattt ctaggactaa ttctccaaga 960
agcagtcata cgtacacttg aatcttcagt ttcttcagca cttgaatgta aagctgtatt 1020
gtcatatatc aagtactgag tgaagtrcct aaaactgtgc tagttgacac tactttataa 1080
gctgtttgtg ttgctggtgg ttttatattt agattccaac tagattgtta ttctggcatc 1140
ttgggaagta aatgttcttc tgaatttttgt atttgtttat atttatttat tttaaacccc 1200
tagtaaattc gcagtgaaat catggggaat ataataaatt agtggtgaca agcatttgaa 1260
aaaggtacag ttgacccttg aacaacatga gtccgaactc tgtgtgggtc tmcttacagg 1320
cagatttttt ttttcaataa gtatcttgga aaatttttttg gagatttttg gcaatttgaa 1380
aaaacttgca aactatagct tagaaatatc agaagttaag aaaaagttgg tatgtcatag 1440
atgcataaaa ttgactatgt caatactagt gcattttatc atttaytacc ataaaatata 1500
cacaagtttt ttttaattat aatttatcaa aacaatttgc acacagacta cgtgacgcca 1560
ttcacagtcc agagaaatgt aaacagataa agatgcagta tgaaatcata actgtataaa 1620
attaactgta gtacatactg tacgactgat aattttgtag ccaccttctg ttgccattgt 1680
gatgagctca agggttggga gtattcactt aaaatgccac gtgacgctaa tcatcttcaa 1740
atgagcagtt catctctcca gtcaattgtg tatcacagt 1779

<210> 1778
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)

<223> n equals a,t,g, or c

<400> 1778
aaagaagaca cattcacaac cagtggtaga gaaactgtgg tttatatgcc cctcttagaa 60
taactcttca ggctctgttt atagccctgg gttcatgcat gataaagtag acagcaacac 120
caccatacag tgcagaggag tggcaagaga ktaaacggaa aaggagatga aaatagacca 180
aktggagaaa ggcctggtcm aaaaaggarg aaaaggaaga tcactatgga atawtaraga 240
kttgaaaaat gaagtgacac ccaataacag gacgggacaa tcagagatga cttggttgta 300
gtgtggaaac cagtagggac cttgggaagc tgccaaaccc tttctagctc tgggctcagc 360
tgtaagaact gctgattcct acaggaacac ttggacaatc caatacctaa atgttaacca 420
tcaattaacc cagtaaacct gcaagatgga aacgaagatt tgttctcacg agtttcacgt 480
gattatttaa aacacttctg ggggccagta gccaactggg gtcttnccca ttgctgccat 540
cnatggtatg aaaagtctc 559

<210> 1779
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (749)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (758)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (770)
<223> n equals a,t,g, or c

<400> 1779
gcaagtcctc cattyttcca ccattgattt ttcctgccac agatattgac cgcattctcc 60
gtgctggctt tactttgcag gaagctcttg gagctttgca tcgagttggt gggaatgcag 120
accttgcact tcttgttttg ctcgcaaaaa acatcgtagt tcctacatga ctgtgggaaa 180
gtgggctaga ccgttctcca ttccctttaa acaaaagaaa gctctctcta tatacacgca 240
cacatacaca ctcmccacat atacagtata tatagaaacc tgcaagcaga atgttgagcc 300
agatttttt taaagatttt tttcggccaa agtaatttat gatcttttgt ctgatgaatt 360
tgtctatcct acttgttaaa atttaggcct ttttaaatgt attggcagta tgtgcataca 420
gaagcttttt attctcatta agatgtatcc tggaataaaa tggatggttt tgtgtgtarc 480
atactgtttt agaatgagag taaatgcttt gaaaagcaga agccatgaga aatcccmcta 540
cccatccagc taaaaacaga tgaactctcc acactgtgac tgtgtgtctg tgctgatggc 600
aaggtatggt ttgctggctc arttgtcaat ttagaaactt ttgaccacat aatttggtgt 660
ttggaattct acccagtgct ctgtgtatca tgatkcatta attataacag gaaattggag 720
aataattgaa tatcttatcc gtagaatgnt atgttttnat ttgtgtgctn aagatttgac 780
ttttaa 786

<210> 1780

<211> 688
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (634)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (652)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (657)
<223> n equals a,t,g, or c

<400> 1780
caacatggtg aaatcccgtc tctactaaaa atacaaaaaa ttagccgggc atggtggcgg 60
gtgcctgtaa tcccagctac ttgggaggct gaggcaggag aatcatttga acccaggagg 120
cagaggttgc agtgagccga gatcacacca ttgcactcca gcctgggcaa caagagcaaa 180
actccatcta aaaaaaaccc acattttcat gaatatcagc catcaacaat gcagaaagta 240
atagactagt cttctgaatt attaacccta gcaattgtca ccaagtgaaa acctyggtca 300
ctaaaacttc ttggaatagc attcaaggtc ttgctttaac acaaaacccc aaaacttggc 360
ggtacaaaac aaccattttc tgatggatcg ggaatccatg tctgaagtct cagctaagaa 420
gactccaagg ctgggttcca ggctggaact gcctggggca tctccccaca cacacactgg 480
tacttggctg gaccaccagc aggttctact ccccgtgttt cttcrcagtt tgtcagttgg 540
gctgatttgg gtttgctcac agagtattca gccaagatcc caagatcaag tatccaccgc 600
ggcccgggcc ccaatcatct tgtttttttaa acantcgttt tttgaggcag gntaggntat 660
ttcatttcca gatttttttcg tgttaccc 688

<210> 1781
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<400> 1781
aagtctattg gcatcctcga catctttgga tttgaaaact ttgaggttaa tcactttgaa 60
cagttcaata taaactatgc aaacgagaaa cttcaggagt acttcaacaa gcatattttt 120
tctttagaac aactagaata tagccgggaa ggattagtgt gggaagatat tgactggata 180
gacaatggag aatgcctgga cttgattgag aagaaacttg gctcctagcc cttatcaatg 240
aagaaagcca ttttcctcaa gccacagaca gcaccttatt ggagaagcta cacagtcagc 300
atgcgaataa ccacttttat gtgaagccca gagttgcagt taacaatttt ggagtgaagc 360
actatgctgg agaggtgcaa tatgatgtcc gaggtatctt ggagaagaac agagatacat 420

ttcgagatga ccttctcaat ttgctaagag aaagccgatt tgactttatc tacgatcttt 480
ttgaacatgt ttccaagccg naacaaccag gataccttga aatgtgggag ccaacatcgg 540
cggcctac 548

<210> 1782
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<400> 1782
aaaaaaaaaa atctatattt tatrgaaata ataaaaaact aaccttagct tactgtaaat 60
tttctagttt agaaacttat ttaaaaacaa tttttggact cttctagtaa taacgtagct 120
taaaacacac attgcatagc tgtacaaaaa tattttcctt atatccttat tatataagct 180
tttatctatt taaattttga atttttaaac tttttggtca aaaaccaaga caaacacact 240
agcctaggcc tatgcagggt caggatcaag acatccctag caggtgacag gaatttttca 300
actccattat aatctgtggg gccaccatca tatatatatt gtacattgac cgaaacatgg 360
ttacatgact atataatttg cgtcaatact gctcagtgtg ccatatttaa atttacatga 420
ctatattgtg atattctttt caaaataaag tttatttggg agataaaaaa aaaaaaaaaa 480
aaagtgngcc gcagcttatn ccctaggngg ggtaattagc tggcctgcgg cggtttaacg 540
cggctnggaa cccggngtcc acttacc 567

<210> 1783
<211> 537
<212> DNA
<213> Homo sapiens

<400> 1783
gcacctatga catagtaaac ttgaagaata aaaactaccc tcagaaatat ttttaaaaga 60
agtagcaaat tatcttcagt ataatccatg gkratgtatg cagtaattca aattgatctc 120
tctctcaata ggtttcttaa caatctaaac ttgaaacatc aatgttaatt tttggaacta 180
ttgggatttg tgacgcttgt tgcagtttac caaaacaagt atttgaaaat atatagtatc 240
aactgaaatg tttccattcc gttgttgtag ttaacatcat gaatggactt cttaagctga 300
ttaccccact gtgggaacca aattggattc ctactttgtt ggactctctt tcctgatttt 360
aacaatttac catcccattc tctgccctgt gatttttttt aaaagcttat tcaatgttct 420
gcagcattgt gattgtatgc tggctacact gcttttagaa tgctctttct catgaagcaa 480
ggaaataaat ttgtttgaaa tgacattttc tctcataaaa aaaaaaaaaa aaaaaaa 537

<210> 1784
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (574)
<223> n equals a,t,g, or c

<400> 1784
tgggtcaatc tcaggttcca gtctcagaaa ctgcaggttg ttgtcacctt tctgtcagca 60
tggatcaagc ccctaaaatg tggtaagtgt tgtcagagca gggcaatatc tctactctca 120
agtatgaggg gaatagaaac aaagcagcag ttttagccag ggttcaatga tagagtggag 180
gtaaattaag agcctccagg ctgtgattca ccatttgaga cattatacat aatttgtttt 240
tgttataagc catttgaatt tttaaaaaat ttcatacatg caatggaata tagatatgta 300
tatacacata taatatatat gctaaagtat aaagagtaat aataatgaca ataaacaaac 360
ccctgtgtgc ctaccaccca ccttattgcc tttccctttga ggtaccgtgt gcggtttcct 420
gaacctatct ctatccctgt ctgatagagg gaacccctgt actgaacttt gtgttgacca 480
tagccttctt gtctttcatc actttatctc catgtatgta tccttaaaga ataataaatg 540
gaattaaact gaaaaaaaaa aaaaaagggc ggcngtctag aaggatccaa gctacgtacg 600
cgtgcatgcg acgt 614

<210> 1785
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (460)
<223> n equals a,t,g, or c

<400> 1785
aaaattaacc ctcactaaag ggaacaaaag ctggagctcc accgcggtgn cgaccgctct 60
agaactagtg gatcccccgg gctgcaggaa ttcggcacga ggcggtgtct cctctttgaa 120
attaagaact atctttcytg tagcaaagct gcacmtgatg atgctgcctc tcctctctgt 180
gttgtctggg cccttgttta caagcacgcg ttacccttcc tgaggggagc catgctctag 240
cccctggagg gcctgttgca ggggcagggc gggcccgttg cctttggcag ctcctggaga 300
gctgtggaca tgcagtcccc ctcagttcgt gctgcaataa aggccatctt ctcttatttc 360
tgccctcctt tctctttgga ccctggagcc acaggctcag cctggcctgt cgncccggct 420
tgtcactgaa aagccccgga taccaagaag tcacccacan aaagtgggag aagaaataag 480
atggccttta tatcg 495

<210> 1786
<211> 584
<212> DNA
<213> Homo sapiens

<400> 1786
ctgctgagag ttggtaaaga ggatggtcga gtgagatggt gttgacctcc ctggatctta 60
tgtcactaca tcctggacct caagagggtc atccaagctt tttgaaagct gaactccttg 120
actggagaaa cctagacaag aggcggggcc aggtgcttga tatctaggag gcattcttcc 180
tcttcccttg ccaccatgga gctgggcaca gtaagccata ttgtttcctg aagcaggagt 240
cccaggcctt ggctagagag ggaacagatg tctaacaaaa agagaagcaa ttcgaggaat 300
tgatgaagca caattaaaat cctctctggc tagtagctct ctggcttctg ttcatttgaa 360
gaataaatct tggctgacag tgggaagcac caggtttgaa atcagatggc tttattttyc 420
ttttttggc atttaaatca gtgaaataaa attattactg gagagcacag ttcgatttaa 480
gagaattcct cagccctgtt ctcaagtctt cttttgaaat tccatgacat ggtggwtaat 540
gggtaaaatg attaatgcct cctttgggtc ttmtactgat caga 584

<210> 1787
<211> 1333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1271)
<223> n equals a,t,g, or c

tcttgcattt ctaattgacc tgagggacat tccgtttgaa atgtactgaa gttacagttt 360
ctggtttttt ctccttattt ttcttataat gcttgaaatg tctaactatt aaaaaagaca 420
attggaaaat gttatgcatg gggtttttaa gaaaacaaag tgttcttttt atttgactga 480
caattcattt tacactctat ataataaaat ctccacaagg catcttgtgg gcaaagtcaa 540
aaaaaaaaaa 550

<210> 1789
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<400> 1789
tcgtgggctt cccagcatac ctgagaatag naatctgnca gaatattttg tggctgtgga 60
tgttaacaac atgttgcatc tgtacgccag tatgctgtac gaacgccgga tactcatcat 120
ttgcagcaaa ctcagcactc tgactgcctg catccacggg tctgcggcga tgctctaccc 180
catgtactgg cagcacgtgt acatccccgt gctgccgccg catctgmtgg actactgctg 240
tgctcccatg ccctacctca taggaatcca tttaagttta atggagaaag tcagaaacat 300
ggccctggat gatgtcgtga tcctgaatgt ggacaccaac accctggaaa ccccccttcga 360
tgacctncag agcctcccaa acgacgtgga agagagcatc gtgatccagt gagccttgcc 420
cctaagcgtg tgtgtatgat ttgcnaccga tcgaggattt atgggagttt atgggacttt 480
attta 485

<210> 1790
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<400> 1790
gcctacgcgt ccgcccacgc gtccggtgga acagtttctg ccagataatc ctgtttgggg 60
gttaggaagg ctgatggcat gtgttttctg gactaacatt ttgcagccta tggaaatgta 120
tgtgtgctat ttattcttat gaattgtgca atgactcaca agcctaagca gtgtcagtta 180
cagctcaacc ttggtagaaa cccgtggtgt tttgytttt tttttgatgc gggggaaaga 240
ctgcattttg tgacgaattt attacctaac agaaagatct attttctcag tgataggcat 300
cacacaaggt gtctcctgtg acaaccctca gattaggaga aaaaaagcac atgtctgcta 360
gaagacaagc tatgtgtgtg tgttgtttaa aattctattc tgcaagggta gatctgctgc 420
tggaagttgg ggttggcttc caaganggaa tattaaaaat ttggaccaaa tgctccttgc 480
aaaactaggc atattnttac ttggaacaat ttattttggn aaacattttc cccaatnttg 540
gnttttaaaa ccagcccaac ctttt 565

<210> 1791
<211> 914
<212> DNA
<213> Homo sapiens

<400> 1791
agaagttgta catattcaga gttttccatt ggcagtgcca gtttctagcc aatagacttg 60
tctgatcata acattgtaag cctgtagctt gcccagctgc tgcctgggcc cccattctgc 120
tccctcgagg ttgctgggac aagctgctgc actgtctcag ttctgcttga atacctccat 180
cgatggggaa ctcacttcct ttggaaaaat tcttatgtca agctgaaatt ctctaattat 240
ttctcatcac ttccccagga gcagccagaa gacaggcagt agttttaatt tcaggaacag 300
gtgatccact ctgtaaaaca gcaggtaaat ttcactcaac cccatgtggg aattgatcta 360
tatctctact tccagggacc atttgccctt cccaaatccc tccaggccag aactgactgg 420
agcaggcatg gcccaccagg cttcaggagt aggggaagcc tggagcccca ctccagccct 480
gggacaactt gagaattccc cctgaggcca gttctgtcat ggatgctgtc ctgagaataa 540
cttgctgtcc cggtgtcacc tgcttccatc tcccagccca ccagccctct gcccacctca 600
catgcctccc catggattgg ggcctcccag gccccccacc ttatgtcaac ctgcacttct 660
tgttcaaaaa tcaggaaaag aaaagatttg aagaccccaa gtcttgtcaa taacttgctg 720

tgtggaagca gcgggggaag acctagaacc ctttccccag cacttggttt tccaacatga 780
tatttatgag taatttattt tgatatgtac atctcttatt ttcttacatt atttatgccc 840
ccaaattata tttatgtatg taagtgaggt ttgttttgta tattaaaatg gagtttgttt 900
gtaaaaaaaa aaaa 914

<210> 1792
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<400> 1792
ttggagctgg ggtgtaactg gaggggcggg cccttctcca agttagagtt ggggttctga 60
gcgagtcgtg cgttttaggt ttagtgtctt ttccttgtcc ctgctcgggg agcgtgaggc 120
agatcggccg gctttgctcc aggcctcagg agtgtcastc gcctnggctt gcacagtaca 180
ttggaacgtg cgggttctat tttgtattcg acgtgccgga tcgaaataga gctcgcggca 240
ctntgaagac cacagtagga agttaaggac gggggtgcag gttcgcagcc ctatcaacca 300
gctccgagcc 310

<210> 1793
<211> 1054
<212> DNA
<213> Homo sapiens

<400> 1793
aaatttttgt atagacattc ctttggttgg aagaatattt ataggcaata cagtcaaagt 60
ttcaaaatag catcacacaa aacatgttta taaatgaaca ggatgtaatg tacatagatg 120
acattaagaa aatttgtatg aaataattta gtcatcatga aatatttagt tgtcatataa 180
aaacccactg tttgagaatg atgctactct gatctaatga atgtgaacrt gtagatgttt 240
tgtgtgtatt tttttaaatg aaaactcaaa ataagacaag taatttgttg ataaatattt 300
ttaaagataa ctcagcatgt ttgtaaagca ggatacattt tactaaaagg ttcattggtt 360
ccaatcacag ctcataggta gagcaaagaa agggtggatg gattgaaaag attagcctct 420
gtctcggtgg caggttccca cctcgcaagc aattggaaac aaaacttttg gggagtttta 480
ttttgcatta gggtgtgttt tatgttaagc aaaacatact ttagaagcaa atgaaaaagg 540
caattgaaaa tcccagctat ttcacctaga tggaatagcc accctgagca gaactttgtg 600
atgcttcatt ctgtggaatt ttgtgcttrc tactgtatag tgcatgtggt gtaggttact 660
ctaactggtt ttgtcgacgt aaacatttaa agtgttatat tttttataaa aatgtttatt 720
tttaatgata tgagaaaaat tttgttaggc cacaaaaaca ctgcactgtg aacattttag 780
aaaaggtatg tcagactggg attaatgaca gcatgatttt caatgactgt aaattgcgat 840
aaggaaatgt actgattgcc aatacacccc accctcatta catcatcagg acttgaagcc 900
aagggttaac ccagcaagct acaaagaggg tgtgtcacac tgaaactcaa tagttgagtt 960
tggctgttgt tgcaggaaaa tgattataac taaaagctct ctgatagtgc agagacttac 1020

cagaagacac aaggaattgg tactgaagag ctat 1054

<210> 1794
<211> 797
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<400> 1794
ctggaaacta gtgggtcccc cgggcctgac aggaattcgg acagnaggga aaaattttgt 60
taggccacaa aaacactgca ctgtgaacat tttagaaaag gtatgtcaga ctgggattaa 120
tgacagcatg attttcaatg actgtaaatt gcgataagga aatgtactga ttgccaatac 180
accccaccct cattacatca tcaggacttg aagccaaggg ttaacccagc aagctacaaa 240
gagggtgtgt cacactgaaa ctcaatagtt gagtttggct gttgttgcag gaaaatgatt 300
ataactaaaa gctctctgat agtgcagaga cttaccagaa gacacaagga attgtactga 360
agagctatta caatccaaat attgccgttt cataaatgta ataagtaata ctaattcaca 420
gagtattgta aatggtggat gacaaaagaa aatctgctct gtggaaagaa agaactgtct 480
ctaccagggt caagagcatg aacgcatcaa tagaaagaac tcggggaaac atcccatcaa 540
caggactaca cacttgtata tacattcttg agaacactgc aatgtgaaaa tcacgtttgc 600
tatttataaa cttgtcctta gattaatgtg tctggacaga ttgtgggagt aagtgattct 660
tctaagaatt agatacttgt cactgcctat acctgcagct gaactgaatg gtacttcgta 720
tgttaatagt tgttctgata aatcatgcaa ttaaartaaa gtgatgcaac atcttgtaaa 780
aaaaaaaaaa aaaaaaa 797

<210> 1795
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<400> 1795
acctttacct tctgtagtgc cctaatctag ggtctgtgac tagaaaccca ggtcaattga 60
tgaaaatcca tgggagaaga aaatgtaaaa atgctttcag acattaggtg tatgaaatca 120

cacaatataa aagctatatc atattttrtt agagggattt ttttgctacc tttgctagta 180
cttgacagat tttataaaat gtnnaataaa atttgggnct gagaaattgt ttccccccct 240
ttttttccc tgataaatgt ctctccaaca agcattgttg ctttaaattt agcactgtct 300
tcagcttttt attgctgatt cagtttctgt ggaaaggcct ttggaaaggt aagttctggg 360
cagg 364

<210> 1796
<211> 1267
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1226)
<223> n equals a,t,g, or c

<400> 1796
gacgcgtggg atttcaaagc tggggagatt tcatttattt ccaaaatttt tcaaaaaact 60
tttactcagt tctgctgwta tttattaact taagagtgct cccatcccca tattttagct 120
ataggaaaat tgtgctaccc ctgattcata tggaattaaa aaaaaaatac atccctttat 180
tttgagtttt aagttgttat tttgctatac atttattact ggagtatctg gtggtctgaa 240
atagtcaaaa gtagagttgg tattaaatgt tccaatgaca tttatttta atacttaaaa 300
aatcatgtac tttgaaatat gtcaaagcaa cttctgataa tatacctgaa tttgtagttg 360
tctcttgagc atcatttact tcatcttaga tatagtgaag atctaggaaa gctctatatg 420
ctgttctttt ctacagttgt atttttgcag catctcctgg tttcattcac tcttgttttg 480
ggattttgtt tttagatctg catatttctt gtacatatgc atgcaaatga aagaagggag 540
tttgtactgg tgccmtttct cccttcagtt gctggttaak ggggatttgc tagaaaaaat 600
tctcccgttg aagggtgaaa acagaccctt atgtgtatay ctgtacagag atgtgtatat 660
gggatgtggt ggcactttgc tgaatgtgaa cttgccttgt caatggaaag attgaaaagt 720
attatgttta tttatacatt tgtataaatc tatatataca cgtatgtata tgtgtgtgta 780
tagataaagc tatatacata tatttccctt aaaaatgtgt gtgtataata ggtaaacagc 840
ctttgttaag caagattaat gtctatggaa agttctggat tattctgtaa gccagaggag 900
gtgacagtct agagtacatc atcagaacat actaaaatgg aagtcctttg gattatagtt 960
ttgtttatgg atattacaca atgaatgctt gtctgaacag ttcttacttg ccagttccac 1020
tattcttcat cttcaccacc ttctactggt cagtctttca tcacttaaaa aaaaaaaatc 1080
acacatcatt gtggtttttt tccccccttaa ttctgtctct tctagccaga agcatctggc 1140
ttaagcatat ttcatcaact tctctgttat ttcttttaaa ggatctttat ctctgaaatt 1200
ttcccagaag gatacaagtt ttgggnaata ttatcaatag gaattttgag gacttggggc 1260
attcatc 1267

<210> 1797
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<400> 1797

ggtcttagat tcagatagga gattcttctt aagatgctcc gtgtttttg ttttttgttt 60
ttctgtagaa gcaagagcag tctgtgatag aattatggca gcaagttctt aacccttcc 120
agattaccaa actctgagaa tctgacatag cctgagagtc ttttctctcc cttgaaaata 180
gccattaatt cagtgactgt ttggagctgt gaggaaaaaa aaaaaaaaga aaatagccat 240
tagctcatgt gtacacaatt caaggtacaa tatccagagc ttagagggcc cattttgggc 300
tctagattaa ggacttctac tacagaatat tggaaataaa tgtcaatgga ctgcttaaat 360
aaattatagt acatccataa caatgggagt attgtgtgat aattaaaagg gagggagacc 420
tattatcccc tactttggac caacctccaa gatattatta ngg 463

<210> 1798
<211> 891
<212> DNA
<213> Homo sapiens

<400> 1798
cacttcttgg ctaaattatt atatcaaata tattcaaatc atattcttaa actcatcgag 60
ccatttgaac aaaaattatt tttgtttagc ttcatgagta tctttggaaa ataatttgtt 120
gaatatatat gattatgaga tattttctga taaacactga attttgaaac ctgaactcac 180
tatataattg cagtgttttg aaggcctgca tccattagca ttgcattata ttcacactgc 240
ctttttttagt gaaccaagac ccatcttctg gacgacagat ttatcttaag atgaaaggtt 300
gtataacatg cccacaaggc ataaaaatgt taatgatgca agtaagttct aagagtttaa 360
tgaccaagca aaactctacc accagatgct gactgcttgt tttgcagtgt tcaggaaaca 420
ccattttcct ggctcttaac gcttttgtat tggtatggaa aagggctggc agctatagaa 480
caggagatcc atagcatttt gaacagaagt atctggaatc tcactgactc gtgtgttatc 540
aaagctatat caggcctggg tgactgaatt cttgcagaaa gcagtgtagt ggccaccatc 600
caaatcacca aaatggttct atgggagaaa ggaatgtcaa acttagtatt cacatatgaa 660
cactaactac tggaacagaa atgatagggc caagagatgc tttttaaatt gtcccttatt 720
ctaaattaaa aggaagtgat aattttgttg ttaaatcatg catatagcct gactgctata 780
ttgcttctca tttcattgta actacttata tgttgtgccc attgactatc atctgtgaat 840
aaagaaagac aatatttagc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 891

<210> 1799
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<400> 1799
accctatcag acgtgggctg tccccatcaa aatatctgta cttcttgctt ctgccctaca 60
ttggaagcag cagaaaagaa gggtaagcag ggttctagaa atttgtgtta tgttttctcc 120
ccactgtatt tatttctttg gwtagtggtg caagaaattc tgttttcctg tagcaaatta 180
ataaagcgtt caaacataag gaattacgac aacagcttgt agatgccaga cttcaacaaa 240
cagcacagct gataaaagaa gctgatgaaa gacatcagag agagagagag tttgkaagtt 300
ctacttcttg gaaaaaaaaa aaaaaagggc ggccgctcta gaggatccaa gcttacgtac 360
nccgtgcatg ccgacgtcan aagctcttct ataggggnac ctaaaatcaa ttcactgggc 420
cgcgntttac aacg 434

<210> 1800
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 1800
ctgttctgat atgctatccc tatttcatag ttaaatttaa aaccaaggaa ataaagtcct 60
gtattagttt ttttcttcct tgaatatcat gattatagaa atctttgctg atgtggacct 120
aaataagctt gttgttgaga cttccaragt tctgtcctgg gtagtttaaa agtctcaatt 180
ggccaaaact ttaatgaggt tttagtaaat cttaatacag aggaagggaa atttcaaaag 240
tatttacttc ttcactgaaa ggtgttgggt caaattcttc atctccatgc tattttggag 300
tttctcatta ctctttaact catcaaaaaa ttcattcttt taaatgcctt ttngtcctca 360
gctaagtaac aagcatactg cagaaatttn gttgaataaa ttaatgtgtg atttctttta 420
ggatggaaga gtgtagaaag tggtcccaa 449

<210> 1801
<211> 695
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (655)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (658)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (668)
<223> n equals a,t,g, or c

<400> 1801
ggnaaatata attacattac tatttaacac ctagcaaagc tattgtaggg tgtttccttt 60
tccactcaaa tatacacagc taggctaaaa aaagagattc cattttggc tggcaagatg 120
tttgggcatc agtaatattc ccatatcata cattgttata atgtccctga tagtatttaa 180
agaaaggaat tgatattagc tagtgattac taaacagcac aattctgtaa ctaaaggraa 240
aagaaactca ctaccattta gtagtctaca accttagcag ccttgtcaaa aatcaattct 300
attatttttg cagtatagtg gtatctattc aattttgaga aactataact gcttcacaaa 360
cacttacatc aagctaatca gtatttgagc catccataaa cagactatgt agaaaagcca 420
aacatctcat tagctacttt ggagttctcc ccttattttt aataaatgtc tgtcattaat 480
gacgtcacta ctgaagacca tgaaaaaagt atatagttga cccttgaaca acatgggttt 540
gaactgcaca ggtctactta tacacagatt tttttttaa ccaaatgcag atcaaaaata 600
cagtactgac aagatgcang aaccygkggt ttatgtgaaa tctctgtata ccaanaangg 660
gcccgacntt tatttcttat tattaattgg gggtt 695

<210> 1802
<211> 910
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<400> 1802
gctttctcca gctctgagga caataagcnt ggaaagcgtn tccgcacaaa ttccagaagc 60
actcccacta cccctcaagg gaaaccagag actacttttt tggaccaagg ctgctcttct 120

ccagtgttaa tcgactgtcc ccacccaaac tgcaacaaaa agtacaagca cattaacggc 180
ctgaggtacc accaggctca tgcacactta gacccagaaa acaagctgga gttcgagcct 240
gacagtgagg acaagatctc ggactgtgag gaaggattga gtaatgtggc acttgaatgc 300
agtgagccaa gcacaagtgt atctgcttat gaccagttga aggcaccggc atycyctggt 360
gctggaaacc cacctgggac cccaaaggga aagagagagc tgatgagcaa tggcccaggt 420
tccattattg gtgctaaass tgggaagaat tctggcaaaa agaagggcct taacaatgaa 480
ctgaacaacc ttccagtaat ctccaacatg acggctgcgt tagacagttg ctcggcagca 540
gacggcagtt tggctgctga gatgcctaaa ctggaagcag aaggattaat tgacaagaaa 600
aatttaggag ataaagaaaa gggcaaaaaa gctaacaact gcaaaacgga caaaaacctc 660
tctaaactga aaagtgcccg gcccattgcc cctgccccag cccccactcc cccgcagcta 720
atcgctatac ccactgcaac ctttacaacg accaccactg ggacaatacc cggactgccc 780
tccctcacaa caactgttgt tcaggctaca ccaaagagtc ctccgttaaa acccattcaa 840
ccaaagccca caattatggg agagcccatc accgtgaacc cagctctggt gtcactcaaa 900
gacaaaaaga 910

<210> 1803
<211> 540
<212> DNA
<213> Homo sapiens

<400> 1803
catttactct gtgtgagctc agcagaattg aattccaact tggatatagg tgtccatggt 60
gttctactta ccctgggttc cgccttcttc cttgcctggt ggcctttcat gacatcataa 120
ttttgatctt cctttgttgg atactctgat cttgttcaca gagaaacata agcctaaata 180
tatggtggtt atttttgtg ttgtggcaga ctctaaatac tgagtctact cagcgttatt 240
ttgcaactag agtggaggaa tcctaaagtg ttaaaagggc tttgaagatt gagtcagcat 300
ccttatcata cagtgcagaa gtctgaatta cagagattat gcagtgtatc gtggtcaacc 360
agtaaatttg ttgtccgtaa agtacggtgc agaaatctga gattacagag attatgcagt 420
gtatcatggk caaccagtac atttttgtc gttaacatcc agagccactg acagggaggg 480
tgaaaggcac agagtgaatt tttttgttcc ttgggctttt atcaagtttt gaagggatag 540

<210> 1804
<211> 231
<212> DNA
<213> Homo sapiens

<400> 1804
cccaacccgg cactcacagc cccgcagcgc atcccggtcg ccgcccagcc tcccgcaccc 60
ccatcgccgg agctgcgccg agagccccag ggaggtgcca tgcggacggg tgtgtggtgg 120
tccacgtatg gatcctggcc ggcctctggt gcggtggccg ggcgcccccc cgccttctcg 180
gacgcggggc cccacgtgca ctacggctgg ggcgacccca tccgcctgcg c 231

<210> 1805
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<400> 1805
cggacggtgg gtgagagatc tggtggggag ctgatgttcc agtttgaggg ccctgcagct 60
ggagacccgt ggggatctga tgttccagtt tgagggtggt gcnatggtga cccaggcggg 120
agctgrtgtt ctagttktag ggccctacag ctggagaccc ggggargagc tgacgttccc 180
wttcgagggc tgtgcaggtg gagacctggg gaggarctga tgttgttcta atttragtgt 240
ggtgcagctg gagatccagg gatgagatgg ccctgcrgtt caaatatgag ggtcccggag 300
ctggactcta cgtgaggaac caatgctgcc tctgatgtct taggttgtgg agctggaaac 360
tcgcggagga actggtattg gngttcta 388

<210> 1806
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<400> 1806
aggcagaagg ccacgagaga gagaggagcg nggagagtgg tgaggaggat tcgtctctra 60
ctgatgaacc tcgccgtgcc tgtctgtcac atccaagtct gtgccagctg ctgggaggtc 120
agastcctgc cctgagaaac agcccagtcc ttggagaatg aaaccctgag ggtcagtgag 180
tggaggcctt ccctcggggc cagccattcc cgggargcct gagttgtgac ctggaagctc 240
trtgggtcmc caaractggc attttccttg ttatttttgt tgca 284

<210> 1807
<211> 334
<212> DNA
<213> Homo sapiens

<400> 1807
gtgagccact gtgtccagca gaaatgtact ttctagaaag aaaataattg gtacttcact 60
actttcccag ggaattcctt caggtgaatg tccacccttt tgatctagaa gcagactcac 120
aattttgttt gtttggcaaa tcagcctctg agctcaactt ccttgtctgt aaaatggggc 180
taaggaaatg tgggttgctt tttcaaaggt tactgttagg atggaatgag atcatgtgtg 240
taacaaaggc tttggaaact ttctggaatt tgaaggctat ataaataaaa gatggaccac 300
tctttcctta aatttggcac ctttcctgtt cttt 334

<210> 1808
<211> 921
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (812)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (845)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (876)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (888)
<223> n equals a,t,g, or c

<400> 1808
gttgtgctga agaatggcag agtacctgat ttatttagtc tcaaacaatt tcactgcctg 60
ctatgttcaa gacccggtag gtttaatgct ctgtagtagc tataatgtaa atgtaccatg 120
aagaaatgct attttcttct acttattctt catttcaaac tattgtctta tactagtgct 180
aagcattatc tgtttgtgat ttgctgaaaa acaaattctt tgtcaaagaa aatacttccc 240
ttaaaaatga gaaagcaatc ttaagtctca taaatctaat ccaggatcct tctatcataa 300
acttaactgt cttgawtttt actgagatta gccmaaatca gagccaaaaa attccccctt 360
gcactaattt gttaccctta cattgacatt aaaggtttgg catttaattc tccatcttga 420
tcttgaacta aatttcctga agaactgtaa ttgttacaag ccttgccact caggcatgtc 480
atgaanactc acttctgcca aaatagttat agctattaaa ttcctctgtg ataacttttt 540
tgttttccta actctaaatt aagatttggc acacagtaag acaacacaat ctaacaaaaa 600
agaatctgga tgttagattt aaatagattt gaatttaaat tcaggctgtg ctggttacca 660
actaggttac tttaggcaaa ttatgcaatc tgtgtgatcc tcagtttcct cttctgtaaa 720
gtgaggatgt tacctacttc atggcattat gtgaagattt aaagggatga ctttaaaagc 780
gcctattaat tgtctggcac ataaaatatt cnataagtgg tattattctt aaaaaatatt 840
atgancctat tgcctttgtc tgtcttatac tctgantgat actaattnaa ctaccttatg 900
gctgaagggc tgcttaatgc c 921

<210> 1809
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (628)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (764)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (805)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (817)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (837)
<223> n equals a,t,g, or c

<400> 1809
aaggaagtgg gatactggct ggcattgtca gtgttctaag tttcaggcat ttttatttt 60
cctggctaaa cgttggtgaa agttataacc tcctgcctgg gagaaaatat acatcaccta 120
aaatgaactt atggcaggtc taatcaaaag gctaaataca atttcagaaa aggttctgat 180
actcttgttt ttgataaagc atttttttcaa ctaaccatga attaagatga gtccatttgc 240
ctcttctgcc ttcactgagg gtttgggtta tacacctcta ctgaattgtg ttaataactg 300
tttggcagtg tgtactttgt ttttgtgagt catgtctcat gaaatttatt ggaatgttta 360
atcatatttg ctaagaaatg tttctgctgt agttggattt gcccatattt atgtaggtgg 420
ttttaatttt ttaaatggtg attagtgtta aaaatcaatt taaatcatga ctaatatggt 480
aaaaagataa agcatcaaag cagtatttct cattcctgcc tcctcaatat ctaatactgg 540
gaagatactt caaagaatat tgagattgtc tgaagtttta gttaagattt tcacacatta 600
atatcaaaaa agtaagttta gtatttgntt ctccatgggt tatttgtaaa gctgtaaact 660
gagatatcgg tgactccgta ttatgactcc attagtgagc tgtggtatgg gtaggatttt 720
ctacttcttc tgtacttta cctggagact atttttacta aggngcttta taatggggtt 780
taaagcattg catttaccaa acaanggaaa atgctgnaaa tattgcatat tttatgnatt 840
tggaccaaaa gggtac 856

<210> 1810
<211> 662
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (615)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (629)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (662)
<223> n equals a,t,g, or c

<400> 1810
tttaaactat gaaatgagga atgtaatccc ttctataaga tgtatactct ttgttatttg 60
ttgttaaatt ttggtcttgt tattccaact gatgcaaaat tctttttaca aagcactgaa 120
ataatacaga tttttcttca ttgtcagcag gatgagattg tctgaaacga agaataggta 180
tgatagtttt cttagatttt gcacatcata ggtggcaaag acactatcaa aacataagtt 240
tttaaatgta ctaggaagta ctttgtaaaa ccaaacggtc tgaagaaagt gacaggtaat 300
ttgtgagaat aaaactaaat tattggggta gtgtcttacc tctttgtata tttaaatgtt 360
ctgtttttta acatgtaaag gttatttta tttgttgtag attgtgttag catgctataa 420
atgttagaaa gttcacttac aatctacttt aacttgaaga aagagagaaa tcgggtccaa 480
attgtatagc attgattgca acctagtgta gcctagtaga atttctgagt tttaaaattt 540
tttaaataat caaaatgtat tttattgaat tcatatcctg gaantatata tgtatcttat 600
taaatcttta aaatnattaa atgggcaant gattaatctt taagtccaat tgaaattggt 660
gn 662

<210> 1811
<211> 691
<212> DNA
<213> Homo sapiens

<400> 1811
tggaaaaagt attttaaaac cttcatcaat ggaaaagtgg tttggggttc ctggtttgac 60
cacgtgaaag gatggtggga gatgaaagac agacaccaga ttctcttcct cttctatgag 120
gacataaaga gggacccaaa gcatgaaatt cggaaggtga tgcagttcat gggaaagaag 180
gtggatgaaa cagtgctaga taaaattgtc caggagacgt catttgagaa aatgaaagaa 240
aatcccatga caaatcgttc tacagtttcc aaatctatct tggaccagtc aatttcctcc 300
ttcatgagaa aaggaactgt gggggattgg aaaaaccact tcactgttgc ccagaatgag 360
aggtttgatg aaatctatag aagaaagatg gaaggaacct ccataaactt ctgcatggaa 420
ctctgagcaa gatgtaaata aaattaaaag gtggatggca agagtgcaaa tactatcttc 480
aatccttcag tcccagccag aagaatctct gaaagcatat tgtgaatgta tacaatgtag 540
tacaaacaat ctctgtgatg attaacagta tgtcaccact tcatttttta aaaaggatca 600
cgtctaatgc ccattttccc aactattctt tccaaagtaa gatataaggt agcttaataa 660
actaagtaaa acgtaaaaaa aaaaaaaaaa a 691

<210> 1812
<211> 615
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 1812
tgggaanaat ctcactcact attttggcaa agctggtacg cctgcaggta ccggtccgga 60
attcccgggt cgacccattc gtccgcnnca gcctctctaa gtaggaggcc ccagtgggag 120
agatgggctt tgactctggg gtcaaatgta gataattgga ctatggacag tggctggctg 180
gtcaccaaca atggtgtttg aaacaaacat ttagaggcca tatttgggct tataaaaata 240
gttctgggcc gtgcatggtg gctcacacct gcaatcccag cactttggga ggctgaggac 300
agcggatttc ttgagctcag gagttgggag accagcctgg gcaacatggt gatacctgtc 360
tgtctcttta aaataaaaaa aatcaatgaa gttatgtgat gggctcatgg ctacaggtgg 420
agaaaggcag tgcatatgca gcctcctcca tccttgacta aggctgacag agggctgggc 480
ccaccaytgc tcaccctgag gcctcgtctt ctgactcccc tcctttcatt tctaggtggc 540
attggtgarg ctgtgtccaa gagcagtaag tggccaancc tgncattact gttacccacc 600
tggcagttaa cccgg 615

<210> 1813
<211> 1205
<212> DNA
<213> Homo sapiens

<400> 1813
atttatttgg ctcttgggag ctcctactga aagtgctgaa atgtcgtact gacacttcag 60
acttatagct acctagactc caagtaagat ttatctctga ctggagggtt tctcctatta 120
aaaaccaaag agtgtagggt gccttcacct gctaggtaat cttctatgcc ctaatgggaa 180
gaatgggagc agcagacaag taagtgcagg aaggagaacc aaagctgtgt ccatgccctt 240
gaggaaagag aaattggacc agacaagttc agtggaaact ttctaatgga tccatcaact 300
tcatcttgtc taagcagagt catagctaga atgtgactga aataggagaa ccacgtccag 360
gggtcagggg ggattcctct gaaatcgcag ctggaacatt tcgtaatagt tctggtactg 420
cacccataga tactgtcacc tctactcttt cttccaatca ccattagcag atgccacagg 480

attcctactt ctgaaagttt ttgggccccg cagtggcaag accggagaag ccaataaagt 540
ttaaggctac atgtttattc catccacaaa tttggtgaag gaggaaatgt ttacaattct 600
gccatgccat gaataggagt tttccaccgg gtgtacactg ctgttaacaa ggtgtaaata 660
cttgtccagt aaagagaccg tacgtactgc tgatgggacg tcccaacaca atgccagatg 720
caaaaacttc tttggtgatt gcttttgata acactgagtg gctaaaggtc ttctttcaca 780
tctttgccca cctywaatcc tgaaggcaag gtctctggaa tttgagctgt gccctcacat 840
gcctccaagg caccaacaaa gcaaaatgaa gagtctgcac tgcttatcag ttgacccaac 900
actcagtcca cattggaggg gaaggggtgg tgggctgagg atgtcttctt cctgtccagg 960
atgcaatatg gtcaaggatg aaaggaaaga gatgctggga gcaagtctgc attgaagatg 1020
tatttctgtt gctttactac caaccctggt tataaatgat gaaactataa tgggtctgta 1080
atagctactt tcccatatag ctcttgtctg tacatacata aaattaaaaa waatagaaya 1140
cttccattac taacatgtgg tgacaagcat tcttcattta ccatttttat tccaaaaaca 1200
tgatt 1205

<210> 1814
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (599)
<223> n equals a,t,g, or c

<400> 1814
gcggacgcgt gggcggctgc gtggctttag acaagtcttt taaccttgct gtgcttctga 60
tttctcagct gaaaaatgga gatgatgata atggtttctg taaggcctta tggtgaagca 120
cctagctcag ggcctggaag gcaggtgtaa ccagtggttc agttgttata aacgaacact 180
aaccctcgcc tttgcacctc atgaatccag atatgtagat ggagsccaca aagctagcag 240
gagccaagct cacgtgtgtc ctgctttaaa gccccatacc cctttctccg ggtgacaaac 300
acctgtgctc gttctcttcc cttcccctct tcccccttgca tttggctaat aacaggccag 360

ctgcctgcct ccctgcagtt tggtagatgg gtgggtaatg accaccactc cccacgttcg 420
cctgatgggc ttgttttccg tgcccttcac aggcatctgc aacaggcccc agccaggcct 480
gaagtcatcc tcagaaggga tggatcctga ggtcgccatg cccagctggg caaacatgag 540
tctggattct tncccggagt cggctncctt ggctgtgang ctgganggag atgaactgnt 600

<210> 1815
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<400> 1815
aaaatgatat actactattg cttgtatatt gtggtatacg gtgtcaggtt tcagggtttt 60
ttttcaacgt taaatattct agaaactttc tgaaataatt tctgtttaaa aatattgaat 120
atttgcttca tttcaaatac tccctttga caaaaaaact taggtataac tgttgatgaa 180
aaaccagaaa aaagtccaga actctttggt gactccaact atggatagct tattttgaaa 240
aaggagaatt gcaaatttta ccaaaagatg gagaaaagca cattaaaaag ataccaacat 300
tcagaaattc atttcagcag ttattattgg aaatatttaa actaatttag ataactataa 360
gatacttatt gtccatttat acccgtaaag ccgttttaga agtaatattt taggtaatcc 420
aaaagtacta aataaatcat tttagttatg agaaatcttg cttatagaca aagaaaagaa 480
taacaagttg tcaatgaaaa gatgacatkg aamcatttgt atgkcnctct taamctacct 540
attgactata ttaagccttt aatac 565

<210> 1816
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 1816
ggtctgggga gggacctgaa actatagatt tctgacaagt ttccaggaaa tgctgatttt 60
actgttcagg gaccacactt tggaaaccac acaaatagga atctcatgca aacccaaggc 120
acctatcaaa aaatttttcaa ccaagtgatt ctgcatgaca agggccagca gtgctaggga 180
agaaacaaca ttctgttctt tggcccgtca gcaatgacca ttgccagagc caaactgaga 240
aragtgggct gtctgttcaa ggaactgaaa tatataatct tancaa 286

<210> 1817
<211> 1320
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (1304)
<223> n equals a,t,g, or c

<400> 1817
gacggggttt caccatgtta gccaggctag tctcgaactc ctgacctcag gtgatccacc 60
cgcctccgcc tcccaaagtg ctgggattac aggtatcagc caccgtgcct ggcctaataa 120
ttggaacatt ttcatcatga aaatgtcatc agctttgcca aaagaaacaa ccaattgact 180
tgtktggcgt ttgttttcca ttttcatgtc aattttatgt atacagttag aatacccaag 240
gagaccacta aaatcagtta aacaagtagg gtatatacaa agaaagatga aacccgaaag 300
tacataaaaa ggatttaaat ccgattttag atgtacctag tgtgtatttc ttatctctag 360
acaagttcat gtttattgtt taatttatgc ccaagtgaag ttgtaaactt atggttcaac 420
tctgacacag aatttgtcac ttgtctgagg tcagtggcag gtttctctgc tgtcaacact 480
ctgtgtcacc caccagatta gtataactat taattcagac tgtactccta tgtttaagat 540
aatttttaca agagctggct gaagcagcac attagtaacc tgacaagatt tctttttyyy 600
ttttcagggg gaaagggtca ccttaaaaat aaattatttt cagggacttt gggaatctaa 660
tgataaatat tacacataat ctatgaatag cttaatcctt tatatattcc ttaaaatagg 720
aattcctcga catcactcct ggccacactt tccttgcctg tgttgttgct atgtgtattt 780
gaaagtaata tctgcattcc ttttaagatg ttctgtaagt catatttgtc agttatacag 840
agtagtcttc cttttcccca cgttcagtgt aatctcactg aacagtaata atagcaatag 900
ctaacaacat ctgcacagca ccttacagtt tgcaaagaac gttcacacat tctcatttga 960
gttttgcata gtgaacctgt tacgagatgt ctcttgacgt cgatgctaaa agtgttagaa 1020
tctttacatc actagagtca ttgaatatgc tgtagtattg aatagtgccc tgactagggg 1080
gaggatttgg atgtgctgca tttcaagccg tgtataatca tcaaaatggg gggcttgagt 1140
tctttagcta cttgaatccg atttacttct gttaagtgat gcttttctaa ccgttttctg 1200
gatggatttt gtattcacta tattgtagct tgtaatttgt ataaatgtac catctgatgt 1260
cattaaaaaa agtgtttgta gtgctaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa 1320

<210> 1818
<211> 821
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (816)
<223> n equals a,t,g, or c

<400> 1818
acaagtcaaa atacagagat gatgtaagca ttgcatttcg tatgtagaga tggtaaaaga 60
tgactatgag gacgattccc atgttttccg gaaacccgcc aatgacatca catcccagct 120
ggagattaat tttggtaacc tccctcgtcc tgggcgtgga gccagaggag gcacccgggg 180
aggccgggga aggatcagga gggcagagaa ctatggaccc agagcagaag tggtgatgca 240
agatgttgcc cccaacccag atgacccgga agatttccct gcgctgtctt gaaagagccc 300
tgtttcccag caccgcggag ctgcactgca cacctgtggg gagacttttc cagctgggcc 360
aagggagtca gactctaaga acaatagatg ttgcttttcc cgtgtcatgt aaatttgttg 420
cacttttttg ggctgagctg ttagaggggc ttctccagag gctcgagagc aggccatttc 480
ccaagaagat gaagaatggt gactgtgttt ttattgaagg aatttcaaat gaagaataat 540
gtttaaaatg tgtatataga gatagtatag actcctccgc ggaagcatgg agggaaagga 600
ggttgtaaaa tagactccat ggagactctt aggaagcagt agattcccgg gggctgtgcc 660
tttagcgtta gaggaaacac atagagctgg aactgttaat ggaaagcagt cacagctgag 720
ttttcggaga ccaagaaatt aaaatacaat tgcacttaca aaaaaaaaaa aaaaaaaaaa 780

aactckaggg ggggcccgta cccaatcgcc ttgtgntgca t 821

<210> 1819
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<400> 1819
gctagtytct agatcgcgag cggccttaat gttatcgaag gagaaatgtg aaacttgagt 60
ttagggttac tgccgaagga agaccaaatt gaatgaaatc tggccttgga attggctgta 120
gattcttcct cctcgaattg ttactgaaaa ggagtcttaa aaattgaaaa tgttagcaga 180
gcattttgta gtgttacagg ctttgttaat ttttcattgt agtacctgtt gctggcagag 240
taacttttca gaattgtaag atttgatata aacctgaatt caaggtaaaa tttagtcgtt 300
aaactgcacc tgacgagatt atgtccaanc aggctttata cgtattgcac tgtggaaact 360
tncaaatata 370

<210> 1820
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<400> 1820
ggaggagccc agcagagtcc ctgggcagtc tgaccccttt aattgtggac taacttctcc 60
cagaacccat gataaggagt ttctctcctg attgaggata ccaagtgtgt gactgttagg 120
cagagcattg cagccccatt ttggtgttga tatggaaatt cctaggtcac tatgcagaca 180
agaaaaccag gaccccagga gccagaaaaa cttgctgcaa gtctctagtt tgctcctatg 240
aatgcccctc caccctggaa gaagccctag acagtcctgt cccttctttc ctgggtgcac 300
gtgtcccctg ntgctaggcc tggggcaatc ctggggtggt ttggctggcc cttgggggct 360
gggcttnctc cctgccancc tgccacagnt gcactattct ct 402

<210> 1821
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<400> 1821
gattttattg ttacagtgaa gagagccaac tcacagattt agatgatttt aaagatgcag 60
ttcaaatgag ggaaggatgt aaatactgtt tttcaattag ngaattaaca gttgcaaaag 120
tgggttactc catagagagc ttgtgatttc atgaaagcca tcaaagagta aacctcttgt 180
atagacagat tccttaattg ggtgtgcgtg ctcacacgtg tgtgtgcaca tctgggtgtg 240
taatatatgt atgtgtacct cagtcctagg gctgtggtaa caaagtacca caanctggct 300
taaaanagaa atgtattctc acaagtcggg aatcaaggtg ttgacggg 348

<210> 1822
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 1822
aattcggcac gaggaaactt ccattgctct tcaggacaat tatgagatca gatatacagc 60
tatctctgtt ataaagaatc ttttgataaa acatgcattt gacacaagat accagcacaa 120
gaaccaacaa gccaaaatag cacaattgta cctncccttt gttggactac ttttggaaaa 180
tatacagcga ttagcaggtc gagatacctt gtattcttgt gcagccatgc ctaattctgc 240
atccagagat gagtttccat gtggctttac ttcacctgcc aatagaggga gtctgagcac 300
tgacaaagac accgcttatg ggtcttttca aaatggacat ggaattaaga gagaagattc 360
aagaggttcc ctcttcccag aaggagcaac aggatttcca gatcagggca acactggtga 420
aaatacccga cagaattcta caaggantat tgtatcccan tataaccgcc tggatcagta 480
tgaaatcaca acctcctgat gttgctacct gt 512

<210> 1823
<211> 940
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<400> 1823
tcttgattgt gataagcccc cctggaggat atgattcact ttatgtgatt catcttattc 60
acaggtctgt gagggactgc gaanttactc aggaaatgaa aacaaatgat ggtcatgttg 120
cagtttttc cttgaaggac aaccgaacca tagcctctaa agttcaagtg cactgaggtg 180
tcggaacgct gaaagcatga ggaaacgagg acgtagggtg tgactgaatg gtggctagat 240
tagtgggagc agttcacctg gatgaagatt gagagcatcg tctttgagaa gtgaaagact 300
agcaagaata aaataaatta agtccagtgt ttgagccaag gttgccacct gtctcttaac 360
atctcactga acataagtcc tgaggtatta ggacgaccat actgcctctg agctgaaaac 420
attcaaaagt tcacatccct gtttgggggа taccattcac cgccttcagc ccagatgata 480
ctttccttta aatctgtgtc tctgtgtgta taacaaagag gaagatggaa acaatgttca 540
tggaaactgc tgttgagccc cttgtcccac cactcccgcc atctgctgca ggcaggaagg 600
catgtgagtg tacgttttct tccaggagac atcaggtccc ccyggattca aattaagtgc 660
aatattttgc aaacagctct tcttagggaa atctcctgaa ggaaaaaaat gtgacagaat 720
gttccatagt ctgagagaat ggaatcgttg agcatttagt acaagtccag tgtgtgtgag 780
cgggacttag gcagctcaag cttgcttttt tttttaagcg tacaattgag tggttttagt 840
aaattcacaa acttgttcaa ccatcaccac tatctaattc cagactcacg ctttttaaa 900
caataaatgt catttcatga aaaaaaaaaa aaaaaaaaat 940

<210> 1824
<211> 502
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<400> 1824
gtgctccacc gcggtgcgnc cgctctagaa ctagtggatc ccccgggctt caggaattcg 60
gcacgagcac ctncgcagcc atacccagga gaaagtggta gcctgcccca cctgtggggg 120
catgtttgcc aacaatacca agttcttaga tcacatccgt cgncagacct cattggatca 180
gcagcacttc cagtgttctc actgttccaa gagatttgcc acagagcggc tattgcggga 240
ccacatgcgc aaccatgtga atcactataa gtgccctctg tgtgacatga cctgcccgct 300
gccttcctnc ctccgcaacc acatgcgctt tcgtcacagt gaggaccggc cctttaaatg 360
tgastgttgt gactacagct gcaagaatct tatygacctc cagaagcacc tggataccca 420
cagcgaggag ccagcctaca ggtgtgattt tgagaactgc acttcagtgc scgatccctt 480
gctctatcaa gtcccattac cg 502

<210> 1825
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<400> 1825
gagtgtgttc ctgtgggtgc ctcagctctt ctactttnaa tttaaccctt aaatatacag 60
tagtgtggat ggaagctggg gaatgaactc ttgccaacag aagatttata gtcttatgaa 120
tgagtaaatt ctagatcttt ggaggttgat ttagaaagaa cggtactgtt aaattctgag 180
tgtttttgtt tcagtggggt ggagttagta atagcttttc cttgtccaat aggaagtggg 240
taaattgcca aaccactgag atcactattg ttgactcaga ttcaggaata agattagcgt 300
aggaaagctg tcgagtaacc ctggaattgg ggctggttgt gattctgttt gctcttggct 360
ggtgaggagg ctatgagttg gtatagccag tggtcccagg atcctgaatg tgttgctaaa 420
ccatatactg ctttccatgg gctgttttta ggggccaggg ttggaggaga tatggtgttg 480
ggtagcaact tgccctgtaa tagatggaga gctgttttct ccatggctcc tgcagtgtga 540
gaggtgaggt gccagcttag agaaaattcc agatcctcgt tcatgattct taagcagatc 600

cagattctta agcagatcca gattcttaag cagatatagc a 641

<210> 1826
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<400> 1826
tcctccaggt gactctctcn tcctggccag naatagcccc cagacttttt ttaccccact 60
ggggtcaaag tttcccatgg accaaggaaa gaancttgca gcctttcttt aaaagcttag 120
gccctggacc ttggcaccag catcactnct cgctgtattc tattcatcaa aagcacttga 180
aaccaaccca gatatgttca atggggagca tccatgtata gccccaattt gagacaagct 240
actatccttt aaaagacagg acttgcaagt gatgggaaag aataaaaacc cttccacagc 300
catgtctata catattaatt attattttca tctctccccg atatgtatat gttagtttaa 360
trtgttgaat aatataaaac catttatttt tttcaaaatt gtagaattga aagaaagggt 420
aataggaggc catgctgaaa aaaaaaa 447

<210> 1827
<211> 590
<212> DNA
<213> Homo sapiens

<400> 1827
tttttgaatc ttccttaagt ttataaatat ttatttttta aaagaagatg ctgtgcctgt 60
gagaccatac ttttttttt ttttttttt ttttttttt ttttggtgac tgcaaaggac 120
agagaacctt tccactttgg ccatactggg ttgctaagcc ggagccattt cagctcctgg 180
ctcctcaaga taacggcgag tccagtgcca tcttggagaa gctccagggg cagggctgac 240
ttttctccta caggaggaac aatgtgggga tctgagggat gggagggaga cttcccccta 300
gagtggtggt cctgctgggg gctcatatcc agggacccaa aaggggggct gtgtaggagg 360
ttccacattg gaggggctct ctctctcgca gctgtcagag ttggtcctgg ctgtggcgtc 420
caaacagctt gagggaaaaa gatcctgtct aaccacctca tctactactc aagttctttc 480

tgaaggaggg atttcttcag ttaaccatgg acagtgaggt ttctcaccac agtaacttga 540
gtccaggttg agggggagac agatctgtgg taaatctctg acttgggcag 590

<210> 1828
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<400> 1828
ggnaattccc gggtcgaccc acgcgtccgc agaaatgtta caagagtaag aggttcttac 60
ttgtacatag gctttcctgc tgaaaacagg cccctgctgt acagattttg ggtacataat 120
ttagctcttt tagtcaatcc aagagattta agtgaccccc ccccccccgt gttttttttg 180
tttttgtttt tgttttgaat gccatgtaaa ggctttttgg ttaagacctc acttttaaaa 240
ctgccttaag tataaatagt acctttggaa tayatttagt tcatcatttg agctgccttc 300
atactggttt cctcagcctt ccttcagcct gtaatatttt cagcccactg tttaccttgt 360
ctcaataaaa ggtttctaat gccaaataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
aaaaa 425

<210> 1829
<211> 382
<212> DNA
<213> Homo sapiens

<400> 1829
gtattacaaa tcttattgta cgcattttgt actagagaaa aacactgaag cagttgctca 60
aactttgttc aacatcaggg aatttatatt ggagaaaaat cctgcaaatg taatgaattt 120
ggaaaaacat ttttttcaa aaactacggc gtagaaaaca tgaatttata ttgaaatgtg 180
tttttgcaga tgcagtaagt atgaaaaata tttaatccaa aattgagtct atgtaaatat 240
taaataattt acagtagaaa taactaaggc actgacactt tagacattac actaaaacag 300
agtgttgagt ataaaaaaat ctataagttg ttagattatt tgtaaataac tttaaaagga 360
gtagaagatt cctttgggag ag 382

<210> 1830
<211> 832
<212> DNA
<213> Homo sapiens

<400> 1830
cagggctggt gcacaaatat ggccaattca aggagaaaca gggcagataa tcccacagag 60
ccggtgacac gcccatccta ttcctgagta gacagagcca tttccatcac tctcaggcct 120
ctgtgggtaa ttggagctga caaggtccca tgcatagcag atgagattag tcccagctgg 180
acgtttccca gaaatggtcc tggggtttcc agtaacctct caratrarat cacttgtcta 240
gagatcactc tggaatatgt ctcatataag gcaaggagtc atggaaactg aatcatgttg 300
agagaggatg ttgtaggaat agaagcttct ggacaaagaa tgaggaagac tctggagatc 360
tagagagtgg ggatttgtga gtggtttcag gttttgtttt tgtttttctt ctcttggcac 420
ccccaagcac taggcttatt tgctggacag aaatagatct taagtggaga ctgcaagttc 480

ttccgacgtg atgcactgga ggagatgcat gcctggaaaa gctctgccac ttgctggctg 540
ggtggcctgg gaacctctgg gtctcaggct cctcatccat aaaatgggga taataactaa 600
ttctcattaa ataagaaaca caagattgat ttgtggtaag cttaataagt aacaactact 660
cgagaaaata gccttttaaa gaactgacaa ccattgctaa gtgtctaccc taaaaaaaga 720
aataccagag atataagaaa aggtatacgt gcaaaaaaaa gttcattgtk taatggaaaa 780
tattagaaat atattcaaca aagggaatgt tcagtacccc ctccccacca aa 832

<210> 1831
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<400> 1831
nttcggcaca ggcgaaatca gccatggctt tacttagttc ccaagtacac atcttcttat 60
ccacaaggat gaaactctgt agggctcacc ctgagggctc atgtgtggca ttgagagggt 120
agcagtgacc agaacaccac aaggcccaca agatgttttg aatgagggaa catttaatgt 180
catttgttag gagatagaaa ccaaataata aaggacaagg accacgctca ttccgtggag 240
aagaggtgaa ctcccctctgc tgactatttg gaatggactg aatgaggagg tctctccagc 300
cagaaggagt attgaggtca tcaggcctca gaaaacaatg tacacataat ctcgggctgt 360
gaacaagaga aaggaggggg ggaaacatga aagtcaatct taacaatttt tgcaatacct 420
cttatttgca gaccattgga tttatgttat tgcactctcg gtgtgattta tcgtatgtat 480
ctgataggtt ttatgaattg ttttgagttg taaactccta tacccttttat taaaatggac 540
ctaattaagt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gtcgtatcga 590

<210> 1832
<211> 3266
<212> DNA
<213> Homo sapiens

<400> 1832
ggaccagcta agggaggcaa gaagaagaag gatcctaatg ctcccaaaag gccaccgtct 60
ggattcttcc tgttctgttc agaattccgc cccaagatca aatccacaaa ccccggcatc 120
tctattggag acgtggcaaa aaagctgggt gagatgtgga ataatttaaa tgacagtgaa 180
aagcagcctt acatcactaa ggcggcaaag ctgaaggaga agtatgagaa ggatgttgct 240
gactataagt cgaaaggaaa gtttgatggt gcaaagggtc ctgctaaagt tgcccggaaa 300
aaggtggaag aggaagatga agaagaggag gaggaagaag aggaggagga ggaggaggag 360
gatgaataaa gaaactgttt atctgtctcc ttgtgaatac ttagagtagg ggagcgccgt 420
aattgacaca tctcttattt gagaagtgtc tgttgccctc attaggttta attacaaaat 480
ttgatcacga tcatattgta gtctctcaaa gtgctctaga aattgtcagt ggtttacatg 540
aagtggccat gggtgtctgg agcaccctga aactgtatca aagttgtaca tatttccaaa 600
cattttaaa atgaaaaggc actctcgtgt tctcctcact ctgtgcactt tgctgttggt 660
gtgacaaggc atttaaagat gtttctggca ttttcttttt atttgtaagg tggtggtaac 720
tatggttatt ggctagaaat cctgagtttt caactgtata tatctatagt ttgtaaaaag 780
aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg gcgttgaggc tgtggggaag 840
atgccttttg ggagaggctg tagctcaggg cgtgcactgt gaggctggac ctgttgactc 900
tgcagggggc atccatttag cttcaggttg tcttgtttct gtatatagtg acatagcatt 960

ctgctgccat cttagctgtg gacaaagggg ggtcagctgg catgagaata ttttttttt 1020
taagtgcggt agtttttaaa ctgtttgttt ttaaacaaac tatagaactc ttcattgtca 1080
gcaaagcaaa gagtcactgc atcaatgaaa gttcaagaac ctcctgtact taaacacgat 1140
tcgcaacgtt ctgttatttt ttttgtatgt ttagaatgct gaaatgtttt tgaagttaaa 1200
taaacagtat tacattttta aaactcttct ctattataac agtcaatttc tgactcacag 1260
cagtgaacaa acccccactc cattgtattt ggagactggc ctccctataa atgtggtagc 1320
ttcttttatt actcagtggc cagctcactt agggctgaga tgaaggagag ggctacttga 1380
agctactgtg tgattttgtt tgtgtctgag tggcattcag atgaagtctg gaggagttag 1440
gagaacgaca taggcaaggt tcagcagcct tccaaggtat aggaaggtgg gtgattagga 1500
ctgaggctat ctaggtttaa cttttgtccc acctccaccc cctattttgt ggggccaaat 1560
gcattgctaa acagcaattt cagagtgtat ggtgtgtcaa aaattaaggc cttattgktt 1620
ttctctttca cccctacccc ccgtgctcct ggcacatatc acattatttg tggtgcccaa 1680
catttggggt cttgagcctg ctgctggtct cctggatgcc agtgagggta tgtgggatgg 1740
ggtggtgggg taggggacgg tatccttttt ttgctcctac ttggaaacac caaacacccc 1800
aaggaagatg ataggctcca tcttgggcca cctgagctat agggcaggct aatggaatca 1860
accatttctg agcactaaat gtatcatgaa aagttgaatg gcctgctcat aagtttagct 1920
cattcactgg aaatgtagat tgatgttcaa tgttaaactg gaaggagctt ggtttgtgtg 1980
tcagtggtta tattagtggg tagtgtaaca ttttatccag gttggggtga ggggagatgg 2040
ccacagtagc aagtggtgac actaaatacc attttgaagg ctgatgtgta tatacatcat 2100
tactgtccgt agcaatgaag gatacagtac tgtgttgtgg gtgagtgttg ctattgccca 2160
gcattaatat ttgggtgtgt atgtttgagg ctatgaaaca cgcaggagtg tttttgtgct 2220
attaatttta agagaaagca gctttttctt aaaattcact gttgagaaac ttgcatgtct 2280
ggaggcggtg tcctctccgc cctgtcgggt cctggatgag tacgagttat ggtcacggtc 2340
acagcctgat ctcttatgtg ttcatagcca ttcgctctcc catcagaact gtttgtcctg 2400
aatgtgttcc tctagttcta gaaaatgacc actaatttaa aaaactcggt tgtgaggttt 2460
gcccagaggc acttgttcca gaatttcccc tcctgcttca gccatgtcct tgtcacttgg 2520
cattctaagc taaagcttta gcttcccaat tcgtgatgtg ctaggccaag attcgggagc 2580
tgttgccagc ctcgtcaaat atggaagaga aacaacctgc ggtcaaaagg gagtgatttg 2640
ttaagtggtg cgcgtctatc tcataactag atgtaccaac cagggaaggg ccaaggatgg 2700
aaaggggtaa cttttgtgct tccaaagtag ctaagcagaa gtgggggagc agtttagcca 2760
gatgatcttt gattaggcaa acattgagtt ttaaagaggc tgtcaagttg aggccacttg 2820
gtccattagc tggggcagca agatcactac tcaacgtttt cacactgtgg caagattgct 2880
cttctagtgg aataatgccc tagtttctct gagatgatgt aagtggcatg atgttaccta 2940
aggcttaggc ttagcttgat ttctgggccc actgtctgtg ttcttaagat gccaacctgt 3000
tgctttttt ttttttccc ccatttaaaa ggatagtacc tactccctct aaccacctca 3060
ccccattctt gaatgacatt ttatcttcgg aaagaacaag gctgtgatgt agtgactatt 3120
gtctgtgtct cctgtgtgtg tctgttcttg tcacaaatgt atttggggac gttggatgca 3180
ttcattttct gtaataaagt ttcttaatca ctcttcccaa aaarwaaaaa aaaaaaaaaa 3240
aaaaaaaaaa aaaaaaaaaa aaaaaa 3266

<210> 1833
<211> 858
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (848)
<223> n equals a,t,g, or c

<400> 1833

agattcattt ttccatttaa atttcagttt cttggatcac tgaatatggg aagggagagc 60
ttcactaatt agacgcagct tcttaagaac ttatattctc tttgacatac atctcaacaa 120
aaaaaaaatc taactgaaga actaagttga ttttttattt gccataaacc aagcaaaagt 180
aaatgcaata atttcgagat ttatggtaaa caaatttgag gtatggataa atctttcaca 240
tatttttat tgctctttag taaagaaagg cacaagaaag aaaatatcca gctctcttgt 300
gttatctcag tgtggcgact gcagaaaatt gacaatgcct gcctgtgtaa atgtatggct 360
tactgtcaaa gcttcattct tggctgcatg ttgaaaatgt gattaaagtt aatagaggag 420
atgaaawaag tatttgagat ttttttcaat aacactgaac ttctgccaac tttctctatc 480
cgctactgta ggcttgacag gctcatcaat catttgctgg tacctggact aaaaagcgca 540
cttgctgaca ccaaggcatg ttggaatttt cttaattcag tggatggaaa aagaaatact 600
tccaaaaata tcccacacat gaaaagggag gggagcctta aatgaaaatt ccctttgtac 660
cgtagacact ttttggaatg cgattaattg ccaacacatc attgaacgaa tgctgtaacc 720
aagaaattaa gattgtgtgt gtgaagggaa tatattctta actgtggcta cccaacttgt 780
atagcaaaga tttctgatag tttgtgttca tctcatgtga ataataaata ctttacccta 840
aaaaaaanaa aaaaaaag 858

<210> 1834
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<400> 1834
ataaagacat gtgaccttct tgggtggtat actggcaatt tttaaaatat ctgatttatt 60
gtcagctcac cacatgatgt gatatttgtt catgttgaag tagtgtgaaa gtaggcacat 120
tagtatgaaa gtatttctat taaagctgna attgctataa taacactaaa tcctgtgttg 180
gcatggaata actagatggt tttaagaaag tactttcttt ggaagattgg gagaaagtac 240
tttaatttaa acattaaaaa gattggtaac tgctattttc aacagcagtc cccttan 297

<210> 1835
<211> 1258
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1237)
<223> n equals a,t,g, or c

<400> 1835
acaagatggc caaaggtgct aaagagattg atatcgcagc gaccctggag cacttgagtt 60
cgcgctgaca gccagtggct gaggaggtga acgccatcct caaggccctt ccccagtgag 120

cggcagctca ggggcctcag gggagccccc accccacgga tgttgtcagc ccaagcagag 180
tgattcaggg gctccccggg ggcagacacc tgtgyacccc atgagtagtg cccacttgag 240
gctggcactc ccctgacctc acctttgcaa agttacagat gcaccccaac attgagatgt 300
gtttttaatg ttaaaatatt gatttctacg ttatgaaaac agatgccccc gtgaatgctt 360
acctgtgaga taaccacaac caggaagaac aaatctgggc attgagcaag ctatgagggt 420
ccccgggagc acacgaaccc tgccaggccc ccgctggctc ctccaggcac gtcccggacc 480
tgtggggccc cagagagggg acatttccct cctgggagag aaggagatca gggcaactcg 540
gagagggctg cgagcatttc cctcccggga gagatcaggg cgacctgcac gcactgcgta 600
gagcctggaa gggaagtgag aaaccagccg accggccctg cccctcttcc cgggatcact 660
taatgaacca cgtgttttga catcatgtaa acctaagcac gtagagatga ttcggatttg 720
acaaaataac atttgagtat ccgattcgcc atcacccccc accccagaaa taggacaatt 780
cacttcattg accaggatga tcacatggaa ggcggcgcag aggcagctgt gtgggctgca 840
gatttcctgt gtggggttca gcgtagaaaa cgcacctcca tcccgccctt cccacagcat 900
tcctccatct tagatagatg gtactctcca aaggccctac cagagggaac acggcctact 960
gagcggacag aatgatgcca aaatattgct tatgtctcta catggtattg taatgaatat 1020
ctgctttaat atagctatca tttcttttcc aaaattactt ctctctatct ggaatttaat 1080
taatcgaaat gaatttatct gaatatagga agcatatgcc tacttgtaat ttctaactcc 1140
ttatgtttga agagaaactc cggtgtgaga tatacaaata tatttaattg tgtcatatta 1200
aacttctgat ttcacaaaaa aaaaaaaaaa aaaaaanccc ggggggggccc ggaccatt 1258

<210> 1836
<211> 761
<212> DNA
<213> Homo sapiens

<400> 1836
cagaatttac ccctgacgcg gcggcggccg acgggaagct gtgtgtgctt aggtcgtggt 60
ggccccggtg gtggtgggct ccgggcgggc tcgcgtcatc ctgcccccgc tgcgatgcat 120
ccgcggcgcc cggacggatt tgatggcttg ggctaccggg gtggtgcccg ggacgagcag 180
ggctttggcg gcgccttccc tgcaaggtcc ttcagcaccg ggtcggacct gggccactgg 240
gtgacgactc ccccagatat ccccggcagc cgcaacctgc actggggcga gaagagcccg 300
ccctacggcg tgcccaccac ctccaccccg tacgaaggcc ccacggagga acccttttcc 360
agtggcggcg gcggcagtgt gcargggcag agcagtgaac agctgaatag atttgctgga 420
tttggtattg gacttgcaag tctctttaca gaaaatgtat tggcacatcc ttgcattgtt 480
ctacgccgcc aatgtcaggt taattaccat gctcagcatt accatctcac tccatttaca 540
gtcatcaata ttatgtacag tttcaacaaa actcagggac ctagagccct gtggaaagga 600
atgggaagta catttattgt ccagggagtc acacttggag cagaaggcat aattagtgaa 660
tttacacctt tgccaaggga ggttttacat aaatggagtc ctaaacaaat aggagaacac 720
cttctactga aatccctaaa cttacgtggt ggcaatgcct t 761

<210> 1837
<211> 925
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<400> 1837
aagacattgg accagagtgg agacgcgccc ttgtccccgg gaggggggcgg ggcagcctcg 60
ggctgcggct cgaggccacg cccccgtgcc cagggcgggg ttcggggacc ggnntgccgg 120
cctcccttcc cctatggact cctcgacccc cctcctaccc ctcccctcgc gcgctcgcgg 180
acctcgctgg agccggtgcc ttacacagcg aacgcgggga ggggcagggc cccctgacac 240
tgcagcactg agacacgagc cccctccccc agcccgtcac ccggggccgg ggcgaggggc 300
ccatttcttg tatctggctg gactagatcc tattctgtcc cgcggcggcc tncaaagcct 360
cccaccccac cccacgcaca ttcctggtcc ggtcgggtct ggcttggggt ccccctttct 420
ctgtttccct cgtttgtctc tatcccgccc tcttgtcgtc tctctgtagt gcctgtcttt 480
ccctatttgc ctctcctttc tctctgtcct gtcgtctctt gtccctcggc cctccctggt 540
tttgtctagt ctccctgtct ctcctgattt cttctcttta ctcattctcc cgggcaggtc 600
ccactggaag gaccagactc tcccaaataa atccccacac gaacaaaatc caaaaccaaa 660
tccccctcyc taccggagcc gggaccctcc gccgcagcag aattaaactt ttttctgtgt 720
ctgaggccct gctgacctgt gtgtgtgtgt gtgtgtgtgt gttgggggag ggtgacctag 780
attgcagcat aaggactcta agtgagactg aaggaagatg ggaagatgac taactggggc 840
cggaggagac tggcagacag gcttttatcc tctgagagac ttagaggtgg ggaataatca 900
caaaaataaa atgatcataa tagct 925

<210> 1838
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<400> 1838
ggcacgaggt tgaaaataac acattaggaa gtccagctgc ctcagagctt ttagagcatc 60
tcaaacctac ttattggttt tctgcccacc ttcatgtgaa gtttgccgcc ttgatgcagc 120
atcaggcaaa ggataaagga cagacagcca gagcaaccaa atttttagcc ttggacaaat 180

gcttaccaca tagagatttt cttcagatat tagagataga acatgacccc agtgctcctg 240
attacttgga atatgatatt gaatggctca ctattctcag ggctacggat gatcttatta 300
atgtgactgg gcgcctgtgg aatatgccag aaaataatgg cctgcatgca aggtgggatt 360
atagtgcaac agaagaaggt atgaaagaag tattggaaaa attgaatcat gatctcaagg 420
ntccatgtaa ctttagtgta acagctgctt gttatgatcc tagcaagcca canacacaaa 480
tgcagctgat tcataggatc aatcctcana caactgaatt ttgtgcccaa cttggcatca 540
ta 542

<210> 1839
<211> 442
<212> DNA
<213> Homo sapiens

<400> 1839
tgcctataaa attacactgc ctcgaattat gaaattcagg gatcttgtac ataattctaa 60
gtttgggaca gaaatttaca agcgatttct catatataca tacatttata tatgtacatg 120
ttacatatat ttagatgtat tctcatatac atatgaaaat atttatgatg aatagaatta 180
taagatatgt atgtatcttg cactgaatca taatttgaaa tatttcatga attcatttac 240
ttctattgac tcccaaaatt ctaackgcaa gctagcttca gaacctgtga gaaccccacc 300
ccacccaagc agctgcctag atttgtctac tgctatcatt ttgtgtaaag cagttgttct 360
aacttgaatg agtctagaat tcatcattaa gattgtgata tttatagagc atccaatgtg 420
gagatcatga tactttaaat at 442

<210> 1840
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<400> 1840
ttaccctcac taaagggnnc aaaagctggn gctccaccgc ggtgacgacc gctctagaac 60
tagtggatcc cccgggctgc aggaattcgg cacgagccca gctcacccgc tgtcagctgg 120
ggtcctgctc tggtgggagg aagaggctca gacgcttccc tgccctctcg cctcaaccam 180
ctcgargcag cggctcccag gatgtgcamt ttgacgacta aagctgagcc ggcgccgcac 240
gaccttgggc gggtggtcgg cctctgccct gagcaggaag tagaaagtct cagcagaccc 300
ttcctgaggg ccgagcaaca gtgtagtggc gtattccaca tagcaaacag ttttctgaag 360
ctcagaggga caccttgtat tgctggatga taaaaacagg agcaaagtga tgaagtgctg 420

acaaggcaac aatagaacat gagagattca ctgctgtgta ggaagagatc ttcggtgacc 480
atgtagcctg aagctctcat tttgtcaatc gaggg 515

<210> 1841
<211> 1027
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1022)
<223> n equals a,t,g, or c

<400> 1841
ccacgcgtcc gagccttcgc cggcgtcccg acccgaggcc ggacccgagg ccagtcccgc 60
cgctgcgcag ccgaagccag tgcggggcct gagagggacg cgcgccccgg ggcccccgcc 120
gcgggcacca tgggcgctgc ccactccgcg tctgaggagg tgcgggagct cgagggcaag 180
accggcttct catcggatca gatcgagcag ctccatcgga gatttaagca gctgagtgga 240
gatcagccta ccattcgcaa ggagaacttc aacaatgtcc cggacctgga gctcaacccc 300
atccgatcca aaattgttcg tgccttcttc gacaacagga acctgcgcaa gggacccagt 360
ggcctggctg atgagatcaa tttcgaggac ttcctgacca tcatgtccta cttccggccc 420
atcgacacca ccatggacga ggaacaggtg gagctgtccc ggaaggagaa gctgagattt 480
ctgttccaca tgtacgactc ggacagcgac ggccgcatca ctctggaaga atatcgaaat 540
gtggtcgagg agctgctgtc gggaaaccct cacatcgaga aggagtccgc tcgctccatc 600
gccgacgggg ccatgatgga ggcggccagc gtgtgcatgg ggcagatgga gcctgatcag 660
gtgtacgagg ggatcacctt cgaggacttc ctgaagatct ggcaggggat cgacattgag 720
accaagatgc acgtccgctt ccttaacatg gaaaccatgg ccctctgcca ctgacccacc 780
gccacctccg cggagaaact gcactttgca atggggccgc ctccccgcgt agctggagca 840
gcccaggccc ggcggacagc ctcttcctgc agcgccggta catagccaag gctcgtctgc 900
gcaccttgtg tcttgtaggg tatggtatgt gggacttcgc tgtttttatc tccaataaaa 960
aaaaaaaaaa ggtttgttaa wwaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
angggggg 1027

<210> 1842
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<400> 1842
atcttgtggr akgctttaca gacaagttag ccaagacaca gataagttag gttacgggcc 60
aaagtaatac agtgattgag cagtggagct gaaggagatc caggcagctt gactggcaga 120
gccttttttct tcaccacgac atgggcagag gttagagagt tttgccacac tggcggtcga 180
gtgacacatc aaggagggat gtggttgcag caggctaaag gccataggaa gggaggagct 240
ggagactcca gggtcgcagc caccttggtg ggctggggtg gggcaggagg ccgcagcaac 300
agagacgggg tgggattgaa gaagtctttt ttttttttcnt tttttaaaca aaagaaatag 360
aacttgtcta tatgctgggg tktgggaaag gagcaagtag atggagagag gctgaagata 420

cttgcttctg gggaggagct ggag 444

<210> 1843
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<400> 1843
gcctatttga atggaatcct gctctttgga catatgctga agatatttct tgaaaatggc 60
gaaaatactt accaccccca aatttgctca tgctttcagg aatctcactt ttgaagggta 120
tgacggtcca gtgaccttgg atgactgggg ggatgttgac agtaccatgg tgcttctgta 180
tacctctgtg gacaccaaga aatacaaggt tcttttgacc tatgataccc acgtaaataa 240
gacctatcct gtggatatga gccccacatt cacttggaag aactctaaac ttcctaatga 300
tattacaggc cggggccctc agatcctgat gattgcagtc ttcaccctca ctggagctgt 360
ggtgctgtcc tgtcgtcgct ctcctgatgc tcagaaaata tagaaaagat tatgaacttc 420
gtcagaaaaa atggtcccac attcctcctg aaaatatctt tcctctggag accaatgaga 480
ccaatcatgt ttagcctcca gatcgatgat gacaanagac ganattccat ccagaagact 540
acaacagtgc 550

<210> 1844
<211> 326
<212> DNA
<213> Homo sapiens

<400> 1844
caattgcagg tgtccatgcc tcccacacat ggggacctag tgggttttga cagcgtggtg 60
tccagtccta gccccctcag tgcttgctgt tcacacttaa gcaagtraag gcctgaaggt 120
gcccagctgt gccctcaggg gaaacttaag tcacccgccc tgtcagcact tggcccttgt 180
cgggcagtga gagtggagct gcccccgcag accctcagga gccatgcagt tcacagcagt 240
agctggatyt ccctgaggac atttgtcctt gcatatctta atgatttgtc cacagaaaca 300
ccgggttgtc ttcctctgcc cctcct 326

<210> 1845
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<400> 1845
cgaaattaga aaaggtgatg aatttggagg aaggggaatt ggctgcacct gtttctgata 60
tgttcagaag cttaatgaat ataatattct aatttaaata aactgtttga ttgagaaaag 120
aggtagccac attattgttt agaaatgata gactgttatt gacttttggt gtagctggga 180
agctggagaa gaggtagtat gtagtttgct tttgatttca aaatgccacc tcttctgatt 240
ccagatacaa ttatcttttg gcacatttcc taattagcat taggttctta taaatgaaat 300
tttattttac acacagtttt taatggaact tacttttgaa catcacgaaa gttatctcta 360
gccctttca tgccttargt gctgatragc attccgttta tcataagcta tgtcattagt 420
ctcagcttcc tagtgggaag taaaactcat agncaattct ctcagtcatc catggatata 480
tagctaggtg ggggccagat gatttgaaaa ttaacatatt gttatttagg gngccttggt 540
tttcatttta aggtggtttc nggcatcctn gtttgaa 577

<210> 1846
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<400> 1846
cagcgatttc tgaactgaac gcaggcaagg gacgcgagag acaaatttta caggaaacca 60
ttcacaactt tcactcttcc tttgagagca gtgccagcaa caccagggcc cctggcaaca 120
gcccctgtgc gtgatcctcc ttcccgcagc caccarccca tggttgggtg ggtgaggcca 180
gaagaaactn cctncggcaa gaggtagcag ccgctcaggt ggytctsctg gcatcggagc 240
ccacagaagt raggagtggc cgatggacct gccctccaaa tgtgcctgac tctgggtctt 300
gctgtcactg gatttcctgg catggcagac agaaagaaag atagtttgac caagtcgtag 360
aagctgatcc agcgggtaaa aaggggcag ggaactcgtc ccttttattc ttgcctcaga 420

gctgcctgaa gacatgggcc aggccggagg ctggacaact ttggataacg ctgacctgta 480
cttccaagta aatgcctcct gaagagcccg ggacccttcc tgggagaatt ctgcagccag 540
aatgaaggtg ccatcagcag gaggcactgt gaagcaccat cctgtcgctg tccttgtcca 600
ttcctagcaa gttaatcgtg tcttgttaac cagcagttcc tgttcaacgt gtaaagagac 660
ctgatgtttt ccctaataaa gctgataaca gattttgcag gaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaag tc 732

<210> 1847
<211> 316
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<400> 1847
gcgggctctg agtgctcttk cccgtccggc cccagccgcg gcccgggaat ctacgtcacc 60
cgaaaagcga ctataaacgc cggcgcctcc gtccccagcc gcggctcggg aatccacccg 120
aagagtggct ataaacgtcc gcgcctccat tgcgctctcc tcttcactta ggacactggt 180
cctcccacgc ctgacaccga cgtcgccagg accgcggggt tgggggaact tggctgtccc 240
acgtctttca aataaagctg ttttgtctaa ctcaaaaaaa aaaaaaaaaa aancgagttt 300
ttttttttt ttttna 316

<210> 1848
<211> 717
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<400> 1848
cgagcagtag cgngaagnca gacgnacgta tagggaaagc tggtacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cgggagaagt gctcttttct acttgtgggg 120
tctcccattg gaaacataat cctatagtcc cagaaggatt cagtccccag tggctttccc 180
atccaaagag aaagagtttg agtttcttaa ctctgctgtt ctgccactta ctcccactag 240
acaaccaggg acaaggtgca acatggaagt gtttgactta agtaggagca gaggagctgc 300
atctaatctc atcatacctg gaacttgaca cacttaagca aatgccttcc catccctacc 360
tgccagatgc ccccaactca atgaagttgg atgtctcacc agcttgatac cctttgaatt 420
ttcagtcaga cattctggag ttctagcatc ctgtacctag gaccttcctc tgtgtcactc 480
ttggcctcct aaactctaag aaaataacta tattctggag cttgggcagt gtgttttgca 540
taatccagca atctcctcat gacatgcatg tnttgatagt cctgaaacat tcattgagag 600
ggtaaatgca gttgacctag aatgaccaat accaaacaga attttaagaa caggtggcca 660
actcctatgg agcttactca catattacta ttcttttaag aacggaaaag taaaatt 717

<210> 1849
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<400> 1849
gggacgagga agccaaggac gaaaaggcag agcccaacag ggacaaatca gttgggcctc 60
tcccccaggc ggacccggag gtttcagaca ttgaatccag gattgcagcc ctgagggccg 120
cagggctcac ggtgaagccc tcgggaaagc cccggaggaa gtcaaacctc ccggctcttt 180
atgaggggac tctgagcctc tgctctgagg atctgaaaca cacacaccct gacagtgtaa 240
aatccaaaag gagccgcctg aatcatgttg cctcatgtgg aaatcttagt ccgccgccac 300
gtgaagatgg atgtgactag aacggagggc gccggaagct yacatyanar garctgctca 360
cgt 363

<210> 1850
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<400> 1850
gtaaaaatga gacgaccacc tctcggatta aaaaaaaaaa gtgccagagt tctagggttc 60
taagtgatgt ccaggaagga ggaggaataa tatttatgga gcatatatta tggaacacag 120
tgagtatagt acctgccttt aaatgaatac tgttggtttt ttaggacagt tgctttttt 180

tctttttct tcagctgtgt gcagttgatt aacttgtaca gagcctatca cacaatagat 240
gtttaagaaa tattaagtga atgaatgagg cagcattgct aatttttgta tagtgagaca 300
gtatctcaca gtccaggctg gagttcagtg gcattaacat aactcactgc agccttgaac 360
acctgagctc aaacgatcct ttcaccttat cctccagagt agctgggact acagtcgcgt 420
gtcaacatgc ctggctaatt ttagttttct aatttttta gagttgggat ctcactatgt 480
tgcttagact ggtcttgaac tcctggnctc atgccatcct cttgcctcag ctggta 536

<210> 1851
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 1851
gcttgacctg cggcagtgca gcccttggga cttccctcgc cttccacctc ctgctcgtct 60
gcttcacaag ctatcgctat ggtgttcgtg cgcaggccgt ggcccgcctt gaccacagtg 120
cttctggccc tgctcgtctg cctaggggcg ctggtcgacg cctaccccat caaacccgag 180
gctcccggcg aagacgcctc gccggaggag ctgaaccgct actacgcctc cctgcgccac 240
tacctcaacc tggtcacccg gcagcggtat gggaaaagag acggcccgga cacgcttctt 300
tccaaaacgt tcttccccga cggcgaggac cgccccgtca gtcgcggtaa aagcgcccgt 360
taccacacat cctgcatccg agagcgcggc ctggccctac cctggcaaca tcatttaacg 420
acgtctccca ggctcgcctc cccagatcca attcttnnct tcgttncgca gtcggagggc 480
caaactgtgg tgaggaccct gaggctctgg gagnctgcca acagccagtc atttga 536

<210> 1852
<211> 2005
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (903)

<223> n equals a,t,g, or c

<400> 1852
ctatcagacg atgaattgaa acacctcatt ctcagggcag cagatggatt tttgtttgtn 60
gtaggatgtg accgagggaa gatactcttt gtctcagagt ctgtcttcaa gatcctcaac 120
tacagccaga atgatctgat tggtcagagt ttgtttgact acctgcatcc taaagatatt 180
gccaaagtca aggagcagct ctcctcctct gacaccgcac cccgggagcg gctcatagat 240
gcaaaaagat gaagtgtaac aggccttcag taaargttga agacaaggac ttccccyctw 300
cctgctcaaa gaaaaaagat cgaaaaagct tctgcmcawt ccacagcaca ggctatttga 360
aaagctggcc mcccacaaag tggggctgga tgaagacmac gaaccagaca atgaggggtg 420
taacctcagc tgcctcgtcg caattggacg actgcattct catgtagttc cacaaccagt 480
gaacggggaa atcagggtga aatctatgga atatgtttct cggcacgcga tagatggaaa 540
gtttgttttt gtagaccaga gggcaacagc tattttggca tatttaccac aagaacttct 600
aggcacatcg tgttatgaat attttcacca agatgacata ggacatcttg cagaatgtca 660
taggcaagtt ttacagacga gagaaaaaat tacaactaat tgctataaat ttaaaatcaa 720
agatggttct tttatcacac tacggagtcg atggttcagt ttcatgaacc cttggaccaa 780
ggaagtagaa tatattgtct caactaacac tgttgttttg tccagagtgg acaccggaca 840
ccttggccaa gttgaaaggt gcacagttct gaggcaggcc tgacttcacg tttccttatt 900
gcntgggatg ttcacagagc caacgtcctg gaaggcgggg acccaacctt cccacagctc 960
acagcatccc cccacagcat ggacagcatg ctgccctctg gagaaggtgg cccaaagagg 1020
acccacccca ctgttccagg gattccaggg ggaacccggg ctggggcagg aaaaataggc 1080
cgaatgattg ctgaggaaat catggaaatc cacaggataa gagggtcatc gccttctagc 1140
tgtggctcca gcccattgaa catcacgagt acgcctcccc ctgatgcctc ttctccagga 1200
ggcaagaaga ttttaaatgg agggactcca gacattcctt ccagtggcct actatcaggc 1260
caggctcagg agaacccagg ttatccatat tctgatagtt cttctattct tggtgagaac 1320
ccccacatag gtatagacat gattgacaac gaccaaggat caagtagtcc cagtaatgat 1380
gaggcagcaa tggctgtcat catgagcctc ttggaagcag atgctggact gggtggccct 1440
gttgacttta gtgacttgcc atggccgctg taaacactac atgttgcttt ggcaacagct 1500
atagtatcaa agtgcattac tggtggagtt ttacagtctg tgaagcttac tggataagga 1560
gagaatagct tttatgtact gacttcataa aagccatctc agagccattg atacaagtca 1620
atcttactat atgtaacttc agacaaagtg gaactaagcc tgctccagtg tttcctcatc 1680
attgattatt gggctagctg tggatagctt gcattaattg tatattttgg attctgtttg 1740
tgttgaattt tttaatcatt gtgcacagaa gcatcattgg tagcttttat atgcaaatgg 1800
tcatttcaga tgtatggtgt ttttacacta caaagaagtc ccccatgtgg atatttctta 1860
tactaattgt atcataaagc cgtttattct tccttgtaag aatcctttac tataaatatg 1920
ggttaaagta taatgtacta gacagttaaa tatttttaat aaatgtttcc cttgttctat 1980
aaaaaaaaaa aaaaaaaaaa aaaaa 2005

<210> 1853
<211> 566
<212> DNA
<213> Homo sapiens

<400> 1853
gtggacgcgt gggcggacgc gtgggacagg atgggagctt tgatggtgga ggcggaaaga 60
aagatcccag gcaggagaga caattgaagc aaaggccttg agttgagaat tggccgtgcc 120
ctcatccttt cctgtttcct ttttgtttgg gcaatgaaaa gagcatggac tttggggttg 180
gatgtgcctg cattcaggtc ttgacactgc tgtattaccg ctcccaattt cttcatgaaa 240
caagattaac agtatcactt gtatcagtta gggtttgttg gttatgagca acctaaaccc 300
actctggcta acttaaacat aaaaggaatc tattgggatc tattgacctg ccaagcctca 360
gaaaggacag gaatcaggga agcttcagag acctaagagg cagcagctga tagtatcttc 420

agagtgctgc tgtcagaata aacctacaag ggckgttttc tctccttgtc ccaaccagat 480
caaggttcag attcctgaga aagaacctcc gtggttagga agaacacaag cacattgatt 540
gacagcacta ggggaggtgt tgttcc 566

<210> 1854
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<400> 1854
gantaccgtt tctcgagtcc gggcattgta caagcgcgtc ttgcagctgc accgtgttct 60
gccccccggac ctcaaatccc tgggcgacca gtacgtgaaa gacgaattta ggagacataa 120
gaccgttggt tctgacgagg cacagcgttt cttgcaagaa tgggagggtt ttaagtgcct 180
aaagtcaggg agagaaaagg agacagtatt taaggaattt aagatcttga agtggaaaag 240
gcctanaaga 250

<210> 1855
<211> 1159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1143)
<223> n equals a,t,g, or c

<400> 1855
ggctaaataa gctatcgggc ccataccccg aaaatgttgg ttataccctt cccgtactaa 60
ttaatcccct ggcccaaccc gtcatctact ctaccatctt tgcaggcaca ctcatcacag 120
cgctaagctc gcactgattt tttacctgag taggcctaga aataaacatg ctagctttta 180
ttccagttct aaccaaaaaa ataaaccctc gttccacaga agctgccatc aagtatttcc 240
tcacgcaagc aaccgcatcc ataatccttc taatagctat cctcttcaac aatatactct 300
ccggacaatg aaccataacc aatactacca atcaatactc atcattaata atcataatgg 360
ctatagcaat aaaactagga atagcccccc ttcacttctg agtcccagag gttacccaag 420
gcacccctct gacatccggc ctgcttcttc tcacatgaca aaaactagcc cccatctcaa 480
tcatatacca aatctctccc tcactaaacg taagccttct cctcactctc tcaatcttat 540
ccatcatagc aggcagttga ggtggattaa accaaaccca gctacgcaaa atcttagcat 600
actcctcaat tacccacata ggatgaataa tagcagttct accgtacaac cctaacataa 660
ccattcttaa tttaactatt tatattatcc taactactac cgcattccta ctactcaact 720
taaactccag caccacgacc ctactactat ctcgcacctg aaacaagcta acatgactaa 780
cacccttaat tccatccacc ctcctctccc taggaggcct gcccccgcta accggctttt 840

tgcccaaatg ggccattatc gaagaattca caaaaaacaa tagcctcatc atccccacca 900
tcatagccac catcaccctc cttaacctct acttctacct acgcctaatc tactccacct 960
caatcacact actccccata tctaacaacg taaaaataaa atgacagttt gaacatacaa 1020
aacccacccc attcctcccc acactcatcg cccttaccac gctactccta cctatctccc 1080
cttttatact aataatctta taaaaaaaaa aaaaaaaaac tcsaggggggg gcccggtacc 1140
canttcgccc tatagtgag 1159

<210> 1856
<211> 936
<212> DNA
<213> Homo sapiens

<400> 1856
ggcacaagac caaaactcca aatgcatcgg cactgacctc aacaggaatt ttaatgcttc 60
atggaactcc attcctaaca ccaatgaccc atgtgcagat aactatcggg gctctgcacc 120
agagtccgag aragagacga aakctgtcac taatttcatt agaagccacc tgaatgaaat 180
caaggtttac atcaccttcc attcctactc ccagatgcta ttgtttccct atggatatac 240
atcaaaactg ccacctaacc atgaggactt ggccaaagtt gcaaagattg gcactgatgt 300
tctatcaact cgatatgaaa cccgctacat ctatggccca atagaatcaa caatttaccc 360
gatatcaggt tcttctttag actgggctta tgacctgggc atcaaacaca catttgcctt 420
tgagctccga gataaaggca aatttggttt tctccttcca gaatcccgga taaagccaac 480
gtgcagagag accatgctag ctgtcaaatt tattgccaag tatatcctca agcatacttc 540
ctaaagaact gccctctgtt tggaataagc caattaatcc ttttttgtgc ctttcatcag 600
aaagtcaatc ttcagttatc cccaaatgca gcttctattt cacctgaatc cttctcttgc 660
tcatttaagt cccatgttac tgctgtttgc ttttacttac tttcagtagc accataacga 720
agtagcttta agtgaaacct tttaactacc tttctttgct ccaagtgaag tttggaccca 780
gcagaaagca ttattttgaa aggtgatata cagtggggca cagaaaacaa atgaaaaccy 840
tcagtttctc acagattttc accatgtggc ttcatcaatt tatgtgctaa tacaataaaa 900
taaaatgcac ttaatgcttt aaaaaaaaaa aaaaaa 936

<210> 1857
<211> 534
<212> DNA
<213> Homo sapiens

<400> 1857
gcagtgctag atattgttwt aaattattty cattttaaac aagatgcctt ctaagctatt 60
gagcttatta aaaataattt tacatgttta cttagttgga gcaaaaataa gtctatttta 120
acaaatagct ttgtttttgc atgctaatgt cagaaaggca tacgatgcac attatgctgt 180
tttaaaggtt ttaccaccct tgtaaaaact ataatcttaa atggttttat ttgctgttac 240
acaaacaaca ctacataaaa catttttttcc taaatggtac aaatttataa actatcattt 300
ttcacttacg gtatttgtaa atactacact acaaaaatca gctttctgag aaagaaataa 360
tcatttattt atgatattga aaatttctac agtaaacact caaaaccaag caaaaaacat 420
ttgtaagata cacggtatct atttggagca acggtttttg taactaatgt gtttcatttt 480
ttaaataaag acaactaaaa ataaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 534

<210> 1858
<211> 1730
<212> DNA
<213> Homo sapiens

<400> 1858
gttctacctc ggtagcagca ccgcttctga tttccttgca gtggagatgc ggcgagggag 60
agtggccttc ctgtgggacc tgggctccgg gtccacacgc ttggagtttc cagactttcc 120
cattgatgac aacagatggc acagtatcca tgtagccaga tttggaaaca ttggttcact 180
gagtgtaaag gaaatgagct caaatcaaaa gtcaccaaca aaaacaagta aatcccctgg 240
gacagctaat gttctggatg taaacaattc aacactcatg tttgttggag gtcttggagg 300
acaaatcaag aaatctcctg ctgtgaaggt tactcatttt aaaggctgct tgggggaggc 360
cttcctgaat ggaaaatcca taggcctatg gaactatatt gaaagggaag gcaagtgccg 420
tgggtgcttc ggaagctccc agaatgaaga cccttccttc cattttgacg ggagtgggta 480
ctctgtcgtg gagaagtcac ttccggctac cgtgacccag ataatcatgc tttttaatac 540
cttttcacct aatggacttc tttctctacc tgggttcata cggcacaaaa gacttttat 600
ccatcgagct gtttcgtggc agagtgaagg ttatgactga cctgggttca ggacccatta 660
ccctttttgac agacagacgt tataacaatg gaacctggta caaaattgcc ttccagcgaa 720
accggaagca aggagtgcta gcagttatcg atgcctataa caccagtaat aaagaaacca 780
agcagggcga gactccggga gcatcttctg acctcaaccg cctagacaag gacccgattt 840
atgtgggtgg attaccaagg tcaagagttg taaggagagg tgtcaccacc aaaagctttg 900
tgggctgcat caagaacctg gaaatatcca gatcaacctt tgacttactc agaaattcct 960
atggagtgag aaaaggctgt ttactggagc ccatccggag tgttagcttc ctgaaaggcg 1020
gctacattga attgccaccc aaatctttgt caccagaatc agaatggctg gtaacatttg 1080
ccaccacgaa cagcagtggc atcatcctgg ctgccctcgg cgggggatgt ggagaagcgg 1140
ggtgatcgtg aggaagcaca cgtgccctts ttttccgtca tgctgatcgg aggcaacatt 1200
gaggtacatg tcaatcctgr ggrtgggaca ggcytgagaa wagctctcct gcacgctccc 1260
acgggtacct gcagtgatgg acaagcgcat tccatctcct tggtcaggaa tcggaggtac 1320
ttgcacgcgg ccaggcagtg tgtaatgaag gtgtggtgag ctcagaggga atgtgggagg 1380
aaccttgcgg tggtgccctg grcggctaga tgactggggt catcggcatc cagacgattc 1440
tagaaccttg ctaggattct ttcctgggaa ccagtttcat ctgctttgta ataagatact 1500
tgtagaattt ttataattaa acaactttag ctctgccctt tactggggcc cagcataaat 1560
tgtctttaca ttggattgat tctgtggcaa atagtagtac actattagta aatagtatta 1620
tatcaatagt aaatagcatt atatcaacat tcctgtatat ttccctccaa aatatagact 1680
gaatgcttta aaagcacact gggcattttc atcataggta aagaggttaa 1730

<210> 1859
<211> 890
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (883)
<223> n equals a,t,g, or c

<400> 1859
ctcagagtag ctggattttt ctaaagcaat tgcagaacac ctgctttttc tttgtttcct 60
ctagaaagga ccaaccacrc cgagctcagt tatggcacac acagtgggac ctagacaaag 120
ggagagggtg accgacatcc caactaggta aacacagagg aggttccaca tggacttatc 180
tgggtggctg ttttgaaaac gagaaacagt caagagtccc tggccccaca gacccacctc 240
cccaactcag cactgtctgt ctgtgcagca ggtgcaagga cgtgttgaac tagctctctg 300
cagcctcctt ggaggatgtg atcctatggg aggggtagga gtattcagtc cttgacatyt 360
cccaaatgtg tgattccggg atgccaaagg cctttggcca ggtaatgcag tgtytacagg 420
ytgaggttga catgcatccc caccctctga gaaaaagatc ctcagacaat ccatgtgctt 480
ctcttgtcct tcatnccacc ggagtctgtc tcanacccaa cyagatttca gtggagtgaa 540
gttcaggagg catggagctg acaaccatga ggcctcggca gccaccgcca ccaccgccgc 600
cgccaccacc gtagcagcag cagcagcagc agcagcagca agagtaactc tgacttagga 660
atagagacag ccagagagaa atgtgatcaa tgaaggagac atctggagtg tgcgtgcttc 720
ttcagaggga cgggtgatgg gcagattgga aaaagcaccg cagatgggaa ccttaatctt 780
tcttttctaa aattgatgct atgaaaattt gcgttttctg taacttgtaa aaactaaaag 840
ttgcttgtct actgaaaaaa aaaaaaaaaa aaaaaaaaaa aanaaaaaaa 890

<210> 1860
<211> 558
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 1860
aaattaaccc tcactaaagg gnncaaaagc tgggagctcc accgcggtga cgnccgctct 60
agaactagtg gntcccccgg gctgcaggaa ttcggcacga gaacaactga aggtgaagaa 120
atcactgagt caagtagcac tgaagaaatg gaggtcagaa gtgtggtggc tgatactgac 180
caaaaggctt taggaagtga agttcaggat gcttctaaag tcactactca gatagataaa 240
gagaaaaaag aaattccagt gtcaattaaa aaagagcctg aagttactgt agtttcacag 300
cccactgaac ctcagcctgt tytaataccc agtattaata tcaactctga cagtggagaa 360
aataaagaag aaataggttc tttatcaaaa actgaaacta ttctgccacc agaatctgag 420
aatccaaagg aaaatgataa tgattcaggc actggttcca ctgctgatac tagcagtatt 480

gacttgaatt tatccatctc tagctttcta agtaaaacta aagacagtgg atcgatatct 540
ttacaagaaa caaaaaaa 558

<210> 1861
<211> 843
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (682)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (688)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (788)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (807)
<223> n equals a,t,g, or c

<400> 1861
acnaacnctt actaaaggga acaaaagntg gaagctccac cgcggtgtng accgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagc agggtcaggg ccagagccag 120

aatccgaatc agaatcagag tcagaaccca aatccgaatg ccaatcagaa cctgactcag 180
aatctgatgc agaatctgac tcagagtttg agccagaagg agaaccggga aagcccgaag 240
cagaactcag gcaaggagca gaatgataac accagcaatg gcaccaacga ctacataggc 300
agtgtagaga aatggcgtta aatggctcaa aaaggcctgt acatacttct cccaaagcgc 360
cactgaaaag atggcatagc ttaaaagatg aaagtgtcca aacacatcct gcttccttca 420
ttggggaagt tttaaaaaaa gtttagatgt tgcctttaca gttgcctttc aattcagtgt 480
tatactgtgt gtaggtaaaa caaatctcaa tatggaatta aattgtcttt ttggggttgg 540
actaaatatg aaatccgaaa gccaaaccag actcaccaga aattgctgtt tagatatttt 600
aagaagttct taaattagtt atggagacaa agtgaaaaca taaaatgtga ccatttaact 660
tatggctaag aaatggactt tnaaattnat tccatggata cactgttaaa acccaatctt 720
ggaatcaaat atttttccc agggggtgga ggaataagta ttaaacatta agggcaactt 780
aaaatggnaa cataaaacct tttattntcc ttctggattt taaacaaggg atctatttta 840
aat 843

<210> 1862
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<400> 1862
gggtgaaggg catttgggca agccagggyg gctgcggagg cgatctccct gacccagggc 60
cggagttgcc cggagcctgc caccgctctc agccagcccg catccttctc tgttcttccc 120
ntcccccgtc tgccacggcg cgggtatccg cagccacagc ccggcgccgg tgaggcggcr 180
aaggggggagg ggaggaatca agggatgagc gccggaaggg cgtmgggggc cctgagccgn 240
actaggacgg cccttggggc cgga 264

<210> 1863
<211> 1882
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<400> 1863
ngcggcagat cttccagtcc ctgccgccct tcatggacat cctcctgctg ctgctgttct 60
tcatgatcat ctttgccatc ctcggtttct acttgttctc ccctaaccct tcagacccct 120
acttcagcac cctggagaac agcatcgtca gtctgtttgt ccttctgacc acagccaatt 180
tcccagatgt gatgatgccc tcctactccc ggaacccctg gtcctgcgtc ttcttcatcg 240

tgtacctctc catcgagctg tatttcatca tgaacctgct tctggctgtg gtgttcgaca 300
ccttcaatga cattgagaaa cgcaagttca agtctttgct actgcacaag cgaaccgcta 360
tccagcatgc ctaccgcctg ctcatcagcc agaggaggcc tgccggcatc tcctacaggc 420
agtttgaagg cctcatgcgc ttctacaagc cccggatgag tgccagggag cgctatctta 480
ccttcaaggc cctgaatcag aacaacacac ccctgctcag cctaaaggac ttttacgata 540
tctacgaagt tgctgctttg aagtggaagg ccaagaaaaa cagagagcac tggtttgatg 600
agcttcccag gacggcgctc ctcatcttca aaggtattaa tatccttgtg aagtccaagg 660
ccttccagta tttcatgtac ttggtggtgg cagtcaacgg ggtctggatc ctcgtggaga 720
catttatgct gaaaggtggg aacttcttct ccaagcacgt gccctggagt tacctcgtct 780
ttctaactat ctatggggtg gagctgttcc tgaaggttgc cggcctgggc cctgtggagt 840
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tgctggcgct ggccctcaac atggagccct tctatttcat cgtggtcctg cgccccctcc 960
agctgctgag gttgtttaag ttgaaggagc gctaccgcaa cgtgctggac accatgttcg 1020
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ccatcgtggg catggagttc ttctgcggga tcgtcttccc caactgctgc aacacgagta 1140
cagtggcaga tgcctaccgc tggcgcaacc acaccgtggg caacaggacc gtggtggagg 1200
aaggctacta ttatctcaat aattttgaca acatcctcaa cagctttgtg accctgtttg 1260
agctcacagt tgtcaacaac tggtacatca tcatggaagg cgtcacctct cagacctccc 1320
actggagccg cctctacttc atgacctttt acattgtgac catggtggtg atgacgatca 1380
ttgtcgcctt tatcctcgag gccttcgtct tccgaatgaa ctacagccgc aagaaccagg 1440
actcggaagt tgatggtggc atcacccttg agaaggaaat ctccaaagaa gagctggttg 1500
ccgtcctgga gctctaccgg gaggcacggg gggcctcctc ggatgtcacc aggctgctgg 1560
agaccctctc ccagatggag agataccagc aacattccat ggtgtttctg ggacggcgat 1620
caaggaccaa gagcgacctg agcctgaaga tgtaccagga ggagatccag gagtggtatg 1680
aggagcatgc cagggagcaa gagcagcagc gacaactcag cagcagtgca gcccccgccg 1740
cccagcagcc cccaggcagc cgccagcgct cccagaccgt tacctagccc agcgcccgaa 1800
agccgtctct tctatgcaat aacacaatag tattactcta aaaaaaaaaa aaaaaaaaaa 1860
aaaaaaaaaa aaaaggggg gg 1882

<210> 1864
<211> 1926
<212> DNA
<213> Homo sapiens

<400> 1864
gcttggcaga ggcaaccaag aaagaaatta cattctttca aacacatcca tatttcagag 60
ttctcctgga ggaggggtca gccacggttc cccgactggc agaaagactt accactgaac 120
tcatcatgca tatccaaaaa tcgctcccgt tgttagaagg acaaataagg gagagccacc 180
agaaggcgac cgaggagctg cggcgttgcg gggctgacat ccccagccag gaggccgaca 240
agatgttctt tctaattgag aaaatcaaga tgtttaatca ggacatcgaa aagttagtag 300
aaggagaaga agttgtaagg gagaatgaga cccgtttata caacaaaatc agagaggatt 360
ttaaaaactg ggtaggcata cttgcaacta atacccaaaa agttaaaaat attatccacg 420
aagaagttga aaaatatgaa aagcagtatc gaggcaagga gcttctggga tttgtcaact 480
acaagacatt tgagatcatc gtgcatcagt acatycagca gctggtggag cccgccctta 540
gcatgctcca gaaagccatg gaaattatcc agcaagcttt cattaacgtg gccaaaaaac 600
attttggcga atttttcaac cttaaccaaa ctgttcagag cacgattgaa gacataaaag 660
tgaaacacac agcaaaggca gaaaacatga tccaacttca gttcagaatg gagcagatgg 720
ttttttgtca agatcagatt tacagtgttg ttctgaagaa agtccgagaa gagattttta 780
accctctggg gacgccttca cagaatatga agttgaactc tcattttccc agtaatgagt 840
cttcggtttc ctcctttact gaaataggca tccacctgaa tgcctacttc ttggaaacca 900
gcaaacgtct cgccaaccag atcccattta taattcagta ttttatgctc cgagagaatg 960

<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<400> 1866
aattcggcac aggcttgatc ttcttctggg ggttagggag aaatctgtct ccntattgct 60
ggttctctta ccaaaatgct tttataaaga aatgaccggt gacatttatt caccaaagga 120
attaatatac tgagtcaaag attaacaatg ctatactata gagtaatagg tcatrtatag 180
cctcrattga gttttttatg acaatatttt aacatacctc tctctctaca tatgaaatac 240
catgaaagtg aractcaaaa tgacacagag ggaaagttag agggaaaatg gaantaattt 300
cggtacatct ttatgggttt taaaggagta ggaaaataag gtggaaata 349

<210> 1867
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 1867
gaattcggca gagggacatt tatttccttt ggagtcttat tcttttaagt acttcttaaa 60
acataaccat caccatcacc agaatttttt aaacatgaga ataagacaga cagaactttt 120
ctttggtagt gttaacacaa aaggtgtctg atcttcatac aagcaatctt tgctcacata 180
catcaaaatg gaatgacaca aggaaagaac cattttgcaa aaggaaacaa gacaagctgc 240
cgtcagctag atacgtttcg attgttcagg aaagtctgta caggaacttt gattggcatc 300
ctgcttgtct accttctttc ctactttaaa gtggtagctc tgatcattgt tgtcagtgtt 360
ttctgacccc tcagatctgg tctttgccta tcatgtctga tgtaggcact tggaccaatt 420
cacctgcaaa tcaaggtaat cgaaccaagt gcctacatca gacatgatag gcaaagacgt 480
cgagcggccc gnaaatttag tagtagtagt agtcggaccc cggggaaatt ccggga 536

<210> 1868
<211> 853
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (816)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (839)

<223> n equals a,t,g, or c

<400> 1868
cgccaggcca ggcacctagg ccaggggagc ggagacctcg tgggagcggg caggggacc 60
tttcccctct cccgggcttc cacccaggcg cctccccgct gtgaaacgcc gccgcccagg 120
aaaaactgca tagaaaatct aatggatgaa gatgagaaag acagagccaa gagagcttct 180
cgaaacaagt ctgagaaaga agcgtcggga ccagttcaat gttctcatca aagagctcag 240
ttccatgctc cctggcaaca cgcggaaaat ggacaaaacc accgtgttgg aaaaggtcat 300
cggatttttg cagaaacaca atgaagtctc agcgcaaacg gaaatctgtg acattcagca 360
agactggrag ccttcattcc tcagtaatga agaattcacc cagctgatgt tggagagcca 420
tttcagagac tgtgaagaat ccaggtgcca tgtcttagtg gccaggatgt tccctttcta 480
aaatgaggac agagcccagg agataaccca tcatgtccct agggaactgc taatgccctc 540
cagatgtgac tcccgtcttc ttccctcttc tctctaagag gcacaaaacc agactccagg 600
aggactcaca tagctktgaa gtttgaaaaa acaaaattga cctggctgaa aaaacaaaat 660
tgacctgggc tgcagacmag ccaagctggt aaaagtatca rctgggcaaa gacttgkggy 720
taccagcatt gggagcagtt gcmcttcaaa aggagccaaa tgcctgkggc ctgcggaawa 780
ggacttgggg attttgaatt watycaaaag catttntttc tttttaggcc cagaggttnt 840
tcccagggac aca 853

<210> 1869
<211> 1246
<212> DNA
<213> Homo sapiens

<400> 1869
agtttcacgc ctgcaaacac aagcattctg ttgatcaacg gaaatatttt gatgtgccat 60
ttcttgtcta aacaagtttc atatacagca ccgaggggggc cacgagaggc agaggcccag 120
acagaaggtg aacatagcct tgcagggaga catatgccag gcaggatgac cattgggatt 180
gcatcaagta ttaatcagtt acttaagggc ttcctgtcag acagttgaag ttcacattcc 240
ttttactttt cttaattagt ccactaggat ggtatgcctg ttttcaactt aacacatgca 300
tacttgtaaa tattttagta tgctacagta atttgtcata tctttaatat ttattgtttg 360
taaagcagta aacatttctg tattttagaa gtcatggagt aaaatcaaat atttatgata 420
aataattgga agtatgtttt agtttgaaga ttgtcctttt tcctatcttg ctgcaaggaa 480
aaatggactt ctgattaggt tttacaattg tgaactttta tgtaaatgtt aagtgctttc 540
gaggagacca aactattatt aatatataaa atggccttgc ccttaaggag caaattaaat 600
ctcatggaga ttagactcaa aaggcaataa ataatcgagg gtttatgcaa tgaaatagaa 660
tttcagaaga gtttggatct caaagattgt ccttcactct cagaaacagg caagtttctt 720
aaaagccctt atagtcgtgt ttttatttta aaaatcgtag cactttattt ttgaagttta 780
aaaagcccat aaacttaatg agtctttata atcagacaca tggaaatata gaaaaccaaa 840
gactgatctt agaatataga gtagagagac atgtttgtta ttctccacta gtgactttag 900
tattttgtta tgtgatgttt tttaggtgca ccttttctca tgactccttt tactttatct 960
aatgtcttcc tctttaaagt gtgacccaga gaccagtagc atcagcatca cctgagacct 1020
gtgaacactg aagctccagc tcagacatgt tggggaccat tttaataaga tacctagctg 1080
atttttgca cagcaaactt tgaaaacccc tggtctaagg ggtagtattt gtatcactta 1140
tggaatataa tctcagggaa attaaatctg ctcaattgac atttgtggtg tttcattttt 1200
taaattctct tgagtaactt ctgtagccct ttccagtgtg tcaggt 1246

<210> 1870
<211> 133
<212> DNA
<213> Homo sapiens

<400> 1870
ctactctgtg tgtgggttct tggcaagctg ccatgtcttt ggggatcata gaaattattg 60
atgacacaga acactcatat gcccttagcc tgtacagctg attcaacatg ggaacagaaa 120
cactgtctag ggg 133

<210> 1871
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<400> 1871
gcaggacagg aaaggtgaca gagnaagact ctatctcaaa aaaaawkaga ctatcttgtt 60
cttaatcctc ttcaattctt ccttttttatt cttttctccc tggctccttt gtagtttaat 120
agttatttaa aatcaggtgg agcattttta tgtttcagta taacaccaaa atgatctcag 180
ctaagttgct tttgttgctt cttttcatat gaagtttttt ccctatcctg tgaatcagcc 240
tttaatccaa aaatgacata aagagaagag caaggactga gccttaagta tgcctagaat 300
gttgaggagg ctgaggacag tgaagaagag atgaaataac cacaaccagt agcttgggaa 360
ccaggataat gtcataagac tcaaatggag ggaattaata tcaagggaag attaanaaaa 420
aa 422

<210> 1872
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (626)
<223> n equals a,t,g, or c

<400> 1872
gatttttttt ttaagaggac ttttaagatc atgatatcta attttaattg tatttacaga 60
ggcttcaaag agtctttgat ttcttgcact ttgttaaggc tttcttattc cttctcacat 120
cctagaaccg ggttacccct ccgtgaggca gatcccctgc aggtggccat cactgtggtg 180
gccagcagtg cttccagact cctgcagtca cgggttccct tctgaaatgg atgtgtattt 240

ccaaattcgg atggaagagg ctggattaaa gatagaagag aatgtcctaa gtagaagaga 300
aatatgttct taaatttaaa atctctgaat tttctcctta cactggggaa ggtgtaggaa 360
tcatgtaatt gccgcctact ccggcatttg cagtagtggg gagaagtctc tagaaccata 420
ttagacttaa tagataggac actcatgttt ttgtttggtt gggggtagca ttttaaaaga 480
ttattatcat agtctttatt attaattatt ttggaggaca ggaaagcatt taccttctat 540
ctactttgca aactccatct gtgccataaa tcattatgga tgttgggktg ctatactctg 600
stttttaaat aatttgggca ngaccngga 629

<210> 1873
<211> 1407
<212> DNA
<213> Homo sapiens

<400> 1873
ctcaccctgt atgacatgtg caaggctgtc agcagggaca tcgtgttgga ggagatcaag 60
ctcattagca agactggtgg tcagcggggg gacttccatc gggcttagca cctgcccttc 120
tcacccatgg cccacccagg cctggagctg ggatgcaatg taggctgagg gaaagacgtc 180
aggttccttt aatcacagtc actgtttgtt taccttgagc agtaaacccg aagtcagcct 240
gctctactac taacaaacag gcctgctgct agatgatctc taatgaccaa tggggcttcc 300
tttctatagg gaggatacca gcaggcccct aagccttcca ggacactaag gtcgtgggag 360
cgggactgca acaagcaatg ccagataact gagaaatcat gttctttgtg gactatttca 420
gacaaccagg ttccgacagt ccagcccaga acttttcctt ctcattttgg gttttctctt 480
ctcctgcttt cctggggaga gattaagcgc tcattaagca gaggagccca ctttgaggag 540
agcaaagcac aagcttgcct gaagaatgga tcccaacttc tccccggcag ctctgcctcc 600
ctaagtctgt gaagccgcag ccctgccctg tcctgtcctg tcctgacttc atctctcctt 660
ctgcccaagt ctgtgtccca tcagacttgc agcctttcag cttaacagtt gcccggtcct 720
gctggccccc tttcctctgg ccccctctct ctgaaacagg atgtgcacac atggccatag 780
ccctaaggac tcctgccaga ccacacagcc cacacctggc cctgttcacg gctgttccac 840
ccacccctct ttattctgga gcatatcagg gaaagaaaag ttgatgatag attgccttca 900
ccctcacagc gcacaaataa agctacgatg ccaactttgc agatgcaaga atgaagacac 960
tgtgtgggta gggcactgag ctgctgcagt ttcacaggga aggctgcacc tatcaatcaa 1020
tcaatcaatc ctatcccaag acacagttcc ctgagggaag aagaggaggg acctggaaag 1080
gcctaagggt gtactctctg tatagccccg ctatgggaaa ataaagtgga gtaggggcca 1140
tagaaatgcw ccatctaagg gaaatctttt gtcaggtggt ggccaggggt gttcaaagct 1200
cattgcttgc attaccagct attagagaga tcagagaggg caattaatta gaggctcctg 1260
gttctcacat cccaaacaca cacagttctg gcctgctggg ctctctaact tggatgtctt 1320
tgagtcctca gtggtgcccc ctgcctgcct cccctctgcc ctatgccaag gtgtgctggc 1380
aaatattaaa caaccagctc tctggaa 1407

<210> 1874
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (658)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (676)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (684)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (706)
<223> n equals a,t,g, or c

<400> 1874
ccgtctcaaa aaataaataa ataaataaaa aataaaacaa ataaataaaa gctaaagcat 60
tctaggaatt acatgtctgg gagctacttt gctgaatctc ttggaagttg ttaaggaaag 120
gcatctgaga tataccagat cagaccttca tcttctgagc ttcccacttg taaactgaaa 180
ttttaaatta cctggaatag gcctcccttc tcttaactcc caatttgaag gctgcgattt 240
taaattagat gagaatttac ttaactctat ttgatacata tccttatgaa tgaacatttg 300
ttgactgtct actgaatgtg acaggtattg ttctaagcac tttatttgta atgacttact 360
tttacaaaac acccctatga gtaatgttct attgtcccct tatttacagt tgaggaaact 420
gggtacagag rgattaagta actagtctga tgtcacaggt agtattcagc tgagccygca 480
ctcataaata tgatactgtc ctgcttctcc cttgctaata taggcaataa agagctttct 540
gaaggggaag aaatattatt attaaactga tttaatgaat tactataatt gcagtttcaa 600
taattagttt tgtaaaatgc aactgggtat agcagttttt tgaagttttc taattttntc 660
cttctgtcac tttggntctg gtangtttgc cttttcacca ttgctna 707

<210> 1875
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<400> 1875
gcaaaaataa aggggctaca gaaacactca tttttatgct gttccctctt gggcttcatg 60
caaagacaat tctgtgtaaa tgtacagttg actctgattt ggaaatatga aaatcagtcc 120
atccttgtta taaaaaattt ttttacaatt gtaattatat tgatgttcat attgtgtaaa 180
ataactcatt taataaaata gtactttgat ttacgacawm aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa naaaa 265

<210> 1876
<211> 513
<212> DNA
<213> Homo sapiens

<400> 1876
gcggttccct tctacttctt ttcttttctt tctggtgacc ctggcagtgt aaaactgcca 60

cctctttagg tttctgtaga gccaaaaata atctcctaat gtcttcctga tgtttgatag 120
gtattccctc ggaagttagg aattcccttt ctctccatat tgttgcatgg gcatggagag 180
ttaggtaagc atacttagag tctttatata tatttaccct ttttccttct cctaattcta 240
gtgtataacg gcccctgctt ttcctaggat gtctctccct aacaaaggag tggggctttc 300
aggcataatt agaaagacat gtgaaaagag taaagttcgc cagtcacaam ttagtggctg 360
ggagaagtat wtagtgactr cctgtcctag gacccctcag atagtgacag atctggagga 420
cagttgtcca ggacaggaga gtaagaytga gacagctgcg ccagtgtcca ggagacagtt 480
aacctcctgg ccctcaatga tcaagcatac ccg 513

<210> 1877
<211> 650
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<400> 1877
ctttggagga gagactccta ggatggccca caacctgctg ctgcctgtag cagagctaga 60
agggaaggag tctgccagct cttccacagc atccccacca tcctcctcca ctgccatctt 120
tcagccctct gaaaccgtgc tccttggaac gcaaagggcc gaggagcatc tggttttcat 180
ggcaaagctc tactccagag ctcctttaac atctgctaat taagtgcaat aaatttttct 240
agaaaatggc aaagatgact tccaggtgga tattgctctc ttacggtgtt ggggatgcca 300
gaacaccact tggttttatt tttctaagtg catgtgatgt gatagagtgt gtggggctct 360
gtgtccttcc ctgggagctg gcattccagc gggcccctct ctttaccttt gttgggggaa 420
ggaggcaaga gagaaattcc ttcttcccag ccagagaggg cagaagcaga ccgtagccca 480
ttggccttat gtgcgtgtgt gcgtgcgagt gtgtcactgc tggtgggccg gagtgatgtg 540
gtgggaggga agccgggaat gtatcctttt cagacaaaat taaatatttt gaaatgagaa 600
aaaaaaaaaa aaaaaactcg nggggggggcc cggtaaccca attcgcccta 650

<210> 1878
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<400> 1878
ctcagngccc gccccatact tgctgagccn gaggaaacca ggatgctgca ggagccagag 60
tctgcactat caagagctgc aggagggctt ctctgagttg gaagaggttc ctggtttgga 120
gaatggtccc acggtggcca gcacaggagc aaatganagg gtgggacagc gggaacagac 180
acgtgctgct ctccttccac cctgagagaa tgctctccag acattcctgc atcccacccc 240
accaaactca gaagcttgct gggatccttc gagtccaata ggaagtccgg gagkgccttc 300
agttttcact caaagcaggc ccttttttcg ttccttccct gttaggggaa gatacacctg 360
gacgagaata tatcctcacc tcaccaccct gaaaagctgc tttctccctt scatccatat 420
cctctcttcc tgtcacctcc ccatacagct tcacatttgc ctcatcgcac ttttcttttc 480
tgtccacctt tcataatccc atccactcca aatcccggac cctgcacacg ccaactccct 540
gaatccaatt caggagtgcc ccagttcccc tttcgatcca tctcctttct actgtagcgg 600
agactacaag tcccaggatg ccccgctagc ccgtgaccgg ctaggaaata aagagccttc 660
tctccgcggt aaaaaaaaaa aaaaaaaaaa aaaactcgag ggggggcccg gtacccaatt 720
c 721

<210> 1879
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<400> 1879
ctcgcctgca ctgctctccc tncgctgtgg ggaagcgaca acgtcccgat aacttgcaga 60
ctgtggcgca actggtcttg gtagcggagg cayycgaatg ctgcccgggt gagaaacctg 120
gcaaagaaaa cggtctcgac aatgagtagg ccacccatca ctactaacta cagatgactt 180
gccatttcat ttacaaagat gtcttctgct gctgaaaatg gagaggcagc acctggaaaa 240

caaaatgaag aaaaaaccta taaaaagact gcatcatctg ctattaaagg tgctattcag 300
ctgggwatag gatacacagt gggtaatctc acttccaagc cagaaccgag atgttcttat 360
gcaagacttt tatgtggtgg aaagtgtgtt cctacccagc gaagggaagc aatcctgacc 420
ccagcacatc actacccaag actttagatt taaggacata cgctccatta gcantccggt 480
atttcagaga acttttggg tatcaagcct gatggattac ttgnattcca tcctgnagtg 540
aaacctctna tagaactggt ctaa 564

<210> 1880
<211> 277
<212> DNA
<213> Homo sapiens

<400> 1880
ttttttttt ttttttttt ttttttttt ttttttttt ttttctaagg cccaaaaatc 60
tatraaacct tgattatttg ttagttttgc aattcaaaac agctaatgtc kggytatttc 120
tcaaagtaag tattttaaac agcctgtaag atactgtata tgcgctgctg tagataccgg 180
aatgaatttt ctgtacatgt ttggttaatt ttttttgtac atgatttttg tatgtttcct 240
tttcaataaa atcagattgg aacagtgaaa aaaaaaa 277

<210> 1881
<211> 2522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2517)
<223> n equals a,t,g, or c

<400> 1881
gccggcccag cgcccgccac cggccmgcgg tgcctccaga ggacctggtc agacaagatg 60
tgaaatggag aagtatctga cacctcagct tcctccagtt cctataattc cagagcataa 120
aaagtataga cgagacagtg cctcagtcgt agaccagttc ttcactgaca ctgaagggtt 180
accttacagt atcaacatga acgtcttcct ccctgacatc actcacctga gaactggcct 240
ctacaaatcc cagagaccgt gcgtaacaca catcaagaca gaacctgttg ccattttcag 300
ccaccagagt gaaacgactg cccctcctcc ggccccgacc caggccctcc ctgagttcac 360
cagtatattc agctcacacc agaccgcagc tccagaggtg aacaatattt tcatcaaaca 420
agaacttcct acaccagatc ttcatctttc tgtccctacc cagcagggcc acctgtacca 480
gctactgaat acaccggatc tagatatgcc cagttctaca aatcagacag cagcaatgga 540
cactcttaat gtttctatgt cagctgccat ggcaggcctt aacacacaca cctctgctgt 600
tccgcagact gcagtgaaac aattccaggg catgcccccc tgcacataca caatgccaag 660

tcagtttctt ccacaacagg ccacttactt tccccccgtca ccaccaagct cagagcctgg 720
aagtccagat agacaagcag agatgctcca gaatttaacc ccacctccat cctatgctgc 780
tacaattgct tctaaactgg caattcacaa tccaaattta cccaccaccc tgccagttaa 840
ctcacaaaac atccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaacg 900
acgcatccac tactgcgatt accctggttg cacaaaagtt tataccaagt cttctcattt 960
aaaagctcac ctgaggactc acactggtga aaagccatac aagtgtacct gggaaggctg 1020
cgactggagg ttcgcgcgat cggatgagct gacccgccac taccggaagc acacaggcgc 1080
caagcccttc cagtgcgggg tgtgcaaccg cagcttctcg cgctctgacc acctggccct 1140
gcatatgaag aggcaccaga actgagcact gcccgtgtga cccgttccag gtcccctggg 1200
ctccctcaaa tgacagacct aactattcct gtgtaaaaac aacaaaaaca aaaaaaaaca 1260
agaaaaccac aactaaaact ggaaatgtat attttgtata tttgagaaaa cagggaatac 1320
attgtattaa taccaaagtg tttggtcatt ttaagaatct ggaatgcttg ctgtaatgta 1380
tatggcttta ctcaagcara tctcatctca tgacaggcag ccacgtctca acatgggtaa 1440
ggggkggggg tggaggggar tgtgtgcagc gtttttacct aggcaccatc atttaatgtg 1500
acagtgttca gtaaacaaat cagttggcag gcaccagaag aagaatggat tgtatgtcaa 1560
gattttactt ggcattgagt agtttttttc aatagtaggt aattccttag agatacagta 1620
tacctggcaa ttcacaaata gccattgaac aaatgtgtgg gtttttaaaa attatataca 1680
tatatgagtt gcctatattt gctattcaaa attttgtaaa tatgcaaatc agctttatag 1740
gtttattaca agtttttag gattcttttg gggaagagtc ataattcttt tgaaaataac 1800
catgaataca cttacagtta ggatttgtgg taaggtacct ctcaacatta ccaaaatcat 1860
ttctttagag ggaaggaata atcattcaaa tgaactttaa aaaagcaaat ttcatgcact 1920
gattaaaata ggattatttt aartacaaaa ggcattttat atgaattata aactgaagag 1980
cttaaagata gttacaaaat acaaaagttc aacctcttac aataagctaa acgcaatgtc 2040
atttttaaaa agaaggactt agggtgtcgt tttcacatat gacaatgttg catttatgat 2100
gcagtttcaa gtaccaaaac gttgaattga tgatgcagtt ttcatatatc gagatgttcg 2160
ctcgtgcagt actgttggtt aaatgacaat ttatgtggat tttgcatgta atacacagtg 2220
agacacagta attttatcta aattacagtg cagtttagtt aatctattaa tactgactca 2280
gtgtctgcct ttaaatataa atgakatgtt gaaaacttaa ggaagcaaat gctacatata 2340
tgcaatataa aatagtaatg tgatgctgat gctgttaacc rragggcaga ataaataagc 2400
aaaatgccaa aaggggtctn aattgaartg aaaatgtaat tttgttttta aaatattgtt 2460
tatcttttat ttaggggggg tgggtaatta ttagttaagt ttttttaan aaaaaanaaa 2520
tt 2522

<210> 1882
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)

<223> n equals a,t,g, or c

<400> 1882
nnatcaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtggc gnccgctcta 60
gaactagtgg atccccccggg ctgcaggaat tcggcacgag cccacctcca tcctatgctg 120
ctacaattgy ttctaaactg gcaattcaca atccaawttt acccaccacc tgccagttaa 180
ctcmcaaaac wtccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaacg 240
acgcatccac tactgcgatt accctggttg cacaaaagtt tataccaagt cttctcattt 300
aaaagctcac ctgaggactc acactggtga agttatcagt accagactat tttgcttcaa 360
tctgcaaaag gaaggtgtgt gaaggtgaaa agccatacaa gtgtacctgg gaaggctgcg 420
actggaggtt cgcgcgatcg gatgagctga cccgc 455

<210> 1883
<211> 858
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (856)
<223> n equals a,t,g, or c

<400> 1883
ggttctgccc ccactgctta taatgctggt gatctacatt aagatcttcc tggtggcctg 60
caggcagctt cagcgcactg agctgatgga ccactcgagg accaccctcc agcgggagat 120
ccatgcagcc aagtcactgg ccatgattgt ggggattttt gccctgtgct ggttacctgt 180
gcatgctgtt aactgtgtca ctcttttcca gccagctcag ggtaaaaata agcccaagtg 240
ggcaatgaat atggccattc ttctgtcaca tgccaattca gttgtcaatc ccattgtcta 300
tgcttaccgg aaccgagact tccgctacac ttttcacaaa attatctcca ggtatcttct 360
ctgccaagca gatgtcaaga gtgggaatgg tcaggctggg gtacagcctg ctctcggtgt 420
gggcctatga tctaggctct cgcctcttcc aggagaagat acaaatccac aagaaacaaa 480
gaggacacgg ctggttttca ttgtgaaaga tagctacacc tcacaaggaa atggactgcc 540
tctcttgagc acttccctgg agctaccacg tatctagcta atatgtatgt gtcagtagta 600
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tgccaacagc ttgaatggat tctaacagac tcttttgttt ttaaaagtct gccttgttta 720
tggtggaaaa ttactgaaac tattttactg tgaaacagtg tgaactatta taatgcaaat 780
acttttaac ttagaggcaa tggaaaaata aaagttgact gtactaaaaa tgtaaaaaaa 840
aaaaaaaaaa aaattnct 858

<210> 1884
<211> 1419
<212> DNA
<213> Homo sapiens

<400> 1884
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aatttaaatt agatggattt aatctcagta atgtgctggt cgcataaatg tcatgtttta 180
ataggaaaag ttacttgtaa atctttagac ctttgttgtc acttaggctg gggagtcact 240
accctatttg gcatcttact agttgggggg acctttttccg tgtacagtga tgggactttt 300
gtgaccttta ctctcactat gcaatagagg gtttcatgta gttaatctga catgtcaaaa 360

ttgggaagac tgtaaccttt ttttttttt tttaagattt ctctttttg tgtccctcaa 420
tacttagcag atgttcattt ggtggaaatt cttattactt acatgaatga gtttgaattt 480
agtggcaagg aagaaaaaaa aaactcaaat tattgtttta aaagaagaaa acttgcaaag 540
tacataagta ttttttaaaa atcaatcgaa cagaaaggaa tgcatgctgt ttttcaatgg 600
cttagacatg ctttttattc actgactagt attcactttt ttacaacttg tatcaaaaca 660
aatgatcttt gtttttgtca caggcaaaaa caggttgaca ctggtgggtt ggctttatta 720
attaattttt tttctattag gttttcttta ataatgttaa atttctaaat tatagcatat 780
gttttagtta attctgaaat cagttacttc atttgttaat ttatccctca tatcatgaat 840
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taatatattc taaacttgaa aatgtggtat caatcaataa tagaagtatc actggaggat 960
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gggaggagat agtccactgt gcttatgttt ttttgtttaa tttctatatt ctgaagcagt 1140
gcagatatag ggtatgctaa tcaagtgagc aaggtggaac atgtacaata taaggagaag 1200
ctgtaaaaat cacagtataa aattatgaag tttggtaact gtaaaatgta ctgtatttat 1260
atgtaactct cattctaaaa gttgccacaa aagctgaatt ggaagcttca tgtctgcatg 1320
aaatttccta tatttttaat gtgtatgatg aaattaattt ttcttgaata ttaaagtctg 1380
ccaattgcta tgaaaaaaaa aaaaaaaaaa aaaactcga 1419

<210> 1885
<211> 2013
<212> DNA
<213> Homo sapiens

<400> 1885
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agcaacaggc agtgggccag atstggcact gactgcagtt tactaactat cccctgatca 180
agaatgtcca acaatagctg aaagttactt gagaaagtca gcactgtagg aggaagaaac 240
taacaccaaa acacaagccg gtagttctgg ggaaatgctg gcagaccaag ggcgggacct 300
cttgcccaga ataatctctc tctcctacta aggaacctat aggttcactg aagtaatcca 360
ttactttgaa tcactctctc ctttgcccca cctttaaaca caaatcccca tccctaatag 420
ttactggtga acagatggac tcatcccttt cttatccgag aagccccatc acatgctatg 480
tcctatcaca tgctatacca gaagctaggg ctgcagaggt ggatgacgcc cccagatccc 540
tgccccctag gggcttaaga gtctagcagg ggcacctgac ccaagtaagt acaatgcagg 600
gtaaggctgg ctaaagagca cgtgaaaagg agctgggaac acagctggtc agcagagctt 660
cagggagggc tgaaggacag gctgcacacg aggcactcag aaaacagcag tgaaacagaa 720
ggcaggcagc aacggcagtg gtactggacc tggggaacac caagttcaag ctctatatac 780
aacgaggaca aaaatgaacc aggctccctg aaagcaggga atctaacctg tgctacggcg 840
ccttcccagt ccacgagggc gtgagagtac atacacatgc aagtgcactc cagcgctcac 900
ccaagcaaca cccttggaga aacacggact ccaggcccaa atccagcctg agaccctcaa 960
agggcagatc cgctaacctc aagttttcag aagatctgaa cccactgggg gctcctgctc 1020
ctctgcctgc cccatgccag actaggattc cagtgacata agcgccctct acagactcag 1080
aaggacagag aaggttctgc tggaagtggg ctcctcagca aaccagcaga taggggttcc 1140
tttgatattt ataccccagg ttttttcact ctcacgtgac atctatgtgg ggccaatgaa 1200
gccaattctt cttttgtaca tatgcagtcc tgtaagaatg cattcaaacg ggatccgcta 1260
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tttaaatggc cttcggtgtg tgcgcacatg ggcacgtgcg gggagaacca tacttattcc 1500
cctgttcccg gcctaccacc tctgctcccc cttctcttct ctaccattta actgtctcct 1560

ctgctttgtt tcttatcact gctgctggtg tctagagcca gccagcagta cctggcagac 1620
atcgcgaccc tgcgggcagc gcttaggact gcacatttac atttcccaaa tgatctgggt 1680
agatggggac aggtgaagac ttggggaaac ggaaatatac gaatgacatg agacatgcat 1740
atctagtgtc aatccattcg actgggcaca ggacagcaga ctgctgacag tgctatgtaa 1800
gattatgagt gatcctccct ctattttgca aacagtctgt aagtaactga taaaacttta 1860
aaatatgcaa attttaaaat tatatagttt gatttactca tcaaattatc atgtatgctg 1920
ttatttaagt atgaataaag gctttttaa attgggaaaa aaaaaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaaaaaaaa aaaggggggg ggg 2013

<210> 1886
<211> 1893
<212> DNA
<213> Homo sapiens

<400> 1886
gcccacgcgt ccgcggacgc gtgggtcgac ccacgcgtcc gaaaaaacat ggtttctcct 60
ctctctcctg tcttcttact ctctatccca tttgatgtag tgatttttaa atgcttttgt 120
aagttaattc ttaacacaaa agagacattg taatgaggca caccactaaa gtgagcatgc 180
ccaattaaaa ccagtgtaat ataggataag aaaatctgat ttttcaaaaa agatactcta 240
cataaagaat ccttcatata aaaagttctt tcttgtagta catttaaagt tttaattcac 300
tcatgtataa ctgagagttc ctttgagccc tttttaggca gggaggcatg tctgtcatct 360
agcgtgtggc ccagtaagtg attattacat tggaatcagt ttttcagtct tttaaaataa 420
attctatgcc ataagaataa aagataaaga gcaaaattaa tgttaactat ttttagctta 480
ttataactat gtcaacaagt gtttattaat acctattatg ggaaagtcac tgtggttggc 540
attgaaaatt acatcatctt taaagcagta tttgtcccca gatggactca tcactagcaa 600
agactaggtt cattggaagg catagggtga gagaatggga agatgragtg gaggcgggtt 660
gttaaagtgc tgtcagtgag tgattttgtc tacttgaata atggtccatg tttgggggca 720
tattgtgttt cataagaagt gaaaggtatt tgcaaagtaa gctacaaatg acccataaat 780
ctgttaacaa cagtccttaa tatgcaaaga tgaaaaacaa gcattactgc tacccaaagg 840
gaactggtgc ttggtgatgt gcagatgggg ctgttggtta agagagctat tacaggtttt 900
ctctcttagg tttcatagga ggtagttact gagatgagat tgttttatct ttttgaatac 960
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tgtttgtttg tttgttttgg ctccttagta atactcctct gacatttatt tctattattc 1080
ttcaaagaaa ggaaaccaac tgaaatgttt gctttaacaa acatttttaat aagttctctg 1140
ggtttttttt tccccttta aaaaaattag catataccat agcaataaaa gaactaatgt 1200
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gatattttca ttttatgata ttcacatatt tagtaaattt tgtgtacaag aataccaggc 1380
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agtttagaaa tgctaacact taaatcagtt ttttttctcac tatacttgaa gattgttaat 1500
attttgatat cttcctagct tgatgaattt aaacatatct tcagatctgt gacagtgaca 1560
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catcaaaatg ttatgtaatt accataaata atggctagcg agaacatctt tggaaattct 1740
caaattacct ttcttactac actgtttgca gaatgaatgt agaaatgatc ctgttagctt 1800
tctgaatgtt ctgtggttga atgtgttttt gcttaaataa agcttttggt atttgtttaa 1860
attamaaaaa aaaaaaaaaa aaaaaaaact cga 1893

<210> 1887
<211> 433
<212> DNA

<213> Homo sapiens

<400> 1887
aattcggcac gagggcgcag gccccagcca gctcaggcta cactatccca ggatcagcat 60
ggccgtccgc cagtgggtaa tcgccctggc cttggctgcc ctccttgttg tggacaggga 120
agtgccagtg gcagcaggaa agctcccttt ctcaagaatg cccatctgtg aacacatggt 180
agagtctcca acctgttccc agatgtccaa cctggtctgc ggcactgatg ggctcacata 240
tacgaatgaa tgccagctct gcttggcccg gataaaaacc aaacaggaca tccagatcat 300
gaaagatggc aaatgctgat cccacaggag cacctcaagc catgaagtgt cagctggaga 360
acagtggtgg gcatggagag gatatgacat gaaataaaag atccagccca aaaaaaaaaa 420
aaaaaaaaaa aaa 433

<210> 1888
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<400> 1888
gagggaagtc aagaagggag gttgaggact gcacttttga tttacttctg acttcacgag 60
tcactttctg ccaaagaaat ctctccttt gcttctagca ccgactagat ttccttcagc 120
tgatgattga ctcccagaat tcgaaagaaa ctgagtccca caaagctctg tctgatctgg 180
agctcgcagc ccagtcaata atcttcattt ttgctggcta tgaaaccacc agcagtgttc 240
tttccttcac tttatatgaa ctggccactc accctgatgt ccagcagaaa ctgcaaaagg 300
gagattgatg cagttttgcc caataaggca ccacctacct atgrtgccgt ggtacagatg 360
gattaccttg acakggtggt gaatgaaacc tcaaattatn cccgttggta tta 413

<210> 1889
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (776)
<223> n equals a,t,g, or c

<400> 1889
gagaaaaagg tagaagaata aaagatccag tacttcttcc tgggtaagca gttatgacca 60
gagatggaac cggcaactct ttggccagaa agctgtatcc aaaagacaga gaagatgaat 120
gtttttgttc actggtgact caggtaacac gtcttcaaga agccataggg aggttgaggg 180
agggaagtca agaagggagg ttgaggactg cacttttgat ttacttctga cttcacgagt 240
cactttctgc caaagaaatc tctccttttg cttctagcac cgactagatt tccttcagct 300
gatgattgac tcccagaatt cgaaagaaac tgagtcccac aaagctctgt ctgatctgga 360
gctcgcagcc cagtcaataa tcttcatttt tgctggctat gaaaccacca gcagtgttct 420
ttccttcact ttatatgaac tggccactca ccctgatgtc cagcagaaac tgcaaaagga 480
gattgatgca gttttgccca ataaggtgag gggatgaccc ctggagatga agggaagagg 540

tgaagcctta gcaaaaatgc ctcctcacca ctccccagga gaatttttat aaaaagcata 600
atcactgatt ccttcactga cataatgtag gaagcctctg aggagaaaaa caaagggaga 660
aacatagaga acggttgcta ctggcagaag cataagatct ttgtacaata ttgctggccc 720
tggttcacct gtttactgtt atcacaataa tgctaagtaa aaaaaaaaaa aaaaanggcg 780
gcc 783

<210> 1890
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<400> 1890
cgcncgagca ccctagcaca gcgccgggta agatgagcac ggaaggtggt ggccgtcgct 60
gccaggcaca agtktcccgc cgcatctcct tcagcgcgag ccaccgattg tacagtaaat 120
ttctaagtga tgaagaaaac ttgaaactgt ttgggaaatg caacaatcca aatggccatg 180
ggcacaatta taaagttgtg gtgacagtac atggagagat tgaccctgct acgggaatgg 240
ttatgaatct ggctgatctc aaaaaatata tggaggaggc gattatgcag ccccttgatc 300
ataagaatct ggatatggat gtgccatact ttgcagatgt ggtgatnctc cctggtctat 360
aacaggangc cccttaccca gcagcaggca gatatggnc 399

<210> 1891
<211> 3035
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2911)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (2959)
<223> n equals a,t,g, or c

<400> 1891
cccggagcag cgcggcagca gcatggctca cgggcccggc gcgctgatgc tcaagtgcgt 60
ggtggtcggc gacggggcgg tgggcaagac gtgcctactc atgagctatg ccaacgacgc 120
cttcccggag agtacgtgcc caccgtcttc gaccactacg caggaagact atgaccgtct 180
gaggccttta tcttacccaa tgaccgatgt cttccttata tgcttctcgg tggtaaatcc 240
agcctcattt caaaatgtga aagaggagtg ggtaccggaa cttaaggaat acgcaccaaa 300
tgtacccttt ttattaatag gaactcagat tgatctccga gatgacccca aaactttagc 360
aagactgaat gatatgaaag aaaaacctat atgtgtggaa caaggacaga aactagcaaa 420
agagatagga gcatgctgct atgtggaatg ttcagcttta acccagaagg gattgaagac 480
tgtttttgat gaggctatca tagccatttt aactccaaag aaacacactg taaaaaaaag 540
aataggatca agatgtataa actgttgttt aattacgtga gaaacatctt cagtggccaa 600
ggaaactgtc catttctctc agaaagcaaa tgaaatgcta cagctatacc cagacctttt 660
ataggtaatg aagcagttca aaacttgaaa gaaaacaaaa cctgtcctca gaattctata 720
aagtgtatta agaatgttcc ttaaaggttt aagaagcagt aagcagcatc tgaagccaca 780
atctattata aatactttat ttcaactaga aggtacaatc tctcaggggt ttcatagttt 840
aaaaagctac aatcacatca tgttgtaact acgtaaaaaa cagagctgta aatggaactg 900
cttggctttg accatacaca tttctgccca gcccttacag aatctgcaca aagaaatatc 960
tccctttgct ccagttaatt gttcttgtat gtaagttgct ttctattcca gtatatccag 1020
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ggccatacct gaggagagaa tgtatgagat caaaaaagaa caaatgtttt attattactt 1140
gagcacaagt gtaacctaaa tatttctata ttaaagctta atgtgctttc ttaaagaatg 1200
ccaaaagtgt aataaggtca taactgcatt tatcatgaac actaaaaatg tacacatttt 1260
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ggaggaaaat tttcatgttc ttctgtgaag cttatttggt acactggagc catttctaat 1860
ctttctctgg ggggaacagg ccacagaact gtgttagagg tgaaccatct taattactag 1920
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ccatgcatca gataatggat gcatcagata atggtgttag acaaagcttc attgtgaaca 2040
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atgacttgag cttatagcta tgtctactgc acagattggg taatggaaca ctaaactttt 2220
atacttgaaa atgacagcct taaatgctca tatcagtcac aaatctagga tgtactgtct 2280
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aaatggaatc ttatgtaact ttcttattta attttggtct gcttatttt agataaaatt 2520
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gaattacaac agtaaactat tacacatttc caacttgcct ttggggattt atgaggattt 2640
tttttggtgg ggggaggggg ctccaattca tatctctgaa acccttcaca cttggtttac 2700
taattcaaag ttagaagtct agaatttgcc ctgccctaac agaaacagat taggaatttg 2760

tctacacaaa ctggtgtcac ctgtttcttg actgggattt ggtttcctca ttataaatat 2820
gggaggtaga acagagatct ccaacgtctc tcccatttat cacagtaatt ttcttattca 2880
cagtaatcat tgttggrtgt tacttttttca ncttcacatt ctcaagatgg taaaaatcat 2940
gtatatagat tatcagaant ctaagcaaag atgactgtca catctgaagc tgaggtgcct 3000
taggtacatc ggccgcgacc acggtaagcc gaatt 3035

<210> 1892
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<400> 1892
gtgagctccg tctcaaaaaa taaataaaat agaagcagcc ttgtaactgt atttaccatg 60
ataatatatt ctgcacggta agaattcctt ttacagacat tctttatcaa gaggtcggcc 120
cttctttttc aggcacataa gccaaatgca ggcctgtgtg tagctgtgtg ttttttctgt 180
ggttgccgca tttattccac ctccagctgg acccccccact gcaaatagag aacagcggtg 240
ggggatgggg gttaaaaagt agagaacctc ctttctgttc aactaatttc acgtgacagt 300
gcatgtattt attcaataaa acctttatgt tagctcaaaa aaaaattcca aatgaagaaa 360
agaaagaaac tttnaa 376

<210> 1893
<211> 1304
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1304)
<223> n equals a,t,g, or c

<400> 1893
cggcggcggt cggtcctgcc tgtaacggcg gcggcggctg ctgctccaga cacctgcggc 60
ggcggcggcg accccgcggc gggcgcggag atgtggcccc tggtagcggc gctgttgctg 120
ggctcggcgt gctgcggatc agctcagcta ctatttaata aaacaaaatc tgtagaattc 180
acgttttgta atgacactgt cgtcattcca tgctttgtta ctaatatgga ggcacaaaac 240
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gctctaaaca agtccactgt ccccactgac tttagtagtg caaaaattga agtctcacaa 360
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aactacactt gtgaagtaac agaattaacc agagaaggtg aaacgatcat cgagctaaaa 480
tatcgtgttg tttcatggtt ttctccaaat gaaaatattc ttattgttat tttcccaatt 540
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<210> 1894
<211> 2617
<212> DNA
<213> Homo sapiens

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<211> 550
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<213> Homo sapiens

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<222> (528)
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<210> 1896

<211> 857
<212> DNA
<213> Homo sapiens

<400> 1896
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<210> 1897
<211> 779
<212> DNA
<213> Homo sapiens

<400> 1897
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<210> 1898
<211> 3310
<212> DNA
<213> Homo sapiens

<400> 1898
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<211> 1184
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<211> 3878
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature

<222> (2079)
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<220>
<221> misc feature
<222> (3847)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3869)
<223> n equals a,t,g, or c

<400> 1900
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<212> DNA
<213> Homo sapiens

<220>
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<222> (95)
<223> n equals a,t,g, or c

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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (29)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<213> Homo sapiens

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<210> 1904
<211> 4039
<212> DNA
<213> Homo sapiens

<400> 1904
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<210> 1906
<211> 2629
<212> DNA
<213> Homo sapiens

<220>

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<222> (35)
<223> n equals a,t,g, or c

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cttcgacttc ttaaattttt gtaaaagact ataagtttag acatctttct cattcaaatt 1740
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atatagaact ttacaaacat atgtccaagg actctaaatt gagactcttc cacatgtaca 1920
atctcatcat cctgaagcct ataatgaaga aaaagatcta gaaactgagt tgtggagctg 1980
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attcttgttt atattttaga tactgaaagg tgctatgctt ctgttattat tccaagactg 2160
gagataggca gggctaaaaa ggtattatta tttttccttt aatgatggtg ctaaaattct 2220
tcctataaaa ttccttaaaa ataaagatgg tttaatcact accattgtga aaacataact 2280
gttagacttc ccgtttctga aagaaagagc atcgttccaa tgcttgttca ctgttcctct 2340
gtcatactgt atctggaatg ctttgtaata cttgcatgct tcttagacca gaacatgtag 2400
gtccccttgt gtctcaatac ttttttttttc ttaattgcat ttgttggctc tattttaatt 2460
tttttctttt aaaataaaca gctgggacca tcccaaaaga caagccatgc atacaacttt 2520
ggtcatgtat ctctgcaaag catcaaatta aatgcacgct tttgtcatgt caaaaaaaaa 2580
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaac 2629

<210> 1907

<211> 1551
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (676)
<223> n equals a,t,g, or c

<400> 1907
gctccactgc ttctactctg ggttgggatt caggaagaca ggcacagtcc tctctgttca 60
tagaaacacc tgccagtgtc aaggattcca gtcaggtgtc tatcccaact ggtcagggag 120
agaagggcag acccattctc aaagaccacc atgtccaagg tctgacagct ccccactggc 180
tgcccccaca ggggctttag gctggtctgg gtcatgggga agcgtccctc ttatcgctgg 240
tctgtgttct cctggatttg gkatctatgt tggtacgact cctggccttt tatctaaagg 300
actttggctt ttgtaaatca caagccaata atagactttt ttctcccccc ctgtttttg 360
ctgtgtcatc tctgccttga gactgccttg agacagtgct tgccttgaga gagtgagcca 420
attaacagct gcctgaattg tcattttcca ttttggtttg ttagaggtgg gaggggtggg 480
ttttgagaag gtcaaaagca ataccagaag taaagggaaa tatcagacaa tattttatta 540
ttttttcata gatgttctgc cacacaaaga acttggggtg taaggataag gcaaaagctc 600
caatcccatt tttcagttct cctaggatgc acccctcagg gagcctggcc agagttccga 660
ggcccgtgag cgtcantgtt tgctttattt tccatcaaag ccctctgaga agtgagacct 720
cagcaattcc gggagccaca tagagacaga cttggcaagg gacccccctgg ttctgagcca 780
gtagctgcca tctggaaatt cctcttttag cctctcctta gaggtgaatg tgaatgaagc 840
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ttggaaaatc tggttcacat cataaagaac ttgatttgaa atgttttcta tagaaacaag 960
tgctaagtgt accgtattat acttgatgtt ggtcatttct cagtcctatt tctcagttct 1020
attattttag aacctagtca gttctttaag attataactg gtcctacatt aaaataatgc 1080
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ccagaccttc agttcaacat gcttccttag cttttcatag ttgtctgaca tttccatgaa 1200
aacaaaggaa ccaactttgt tttaaccaaa ctttgtttgg ttacagtttt caggggagcg 1260
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caaacctaaa tgctactgtt ccaaagagca acttgatggt ttttttaat actgagtgca 1380
aaaggtcacc caaattccta tgatgaaatt ttaaattaat gggcaccttt caacatcatt 1440
tgcttcctta tctacagttg attcagaaat ctgcattttt tattctttta tatgactttt 1500
aagtaaaaga tttatatgga wttaaaaaaa aaaaaaaaaa aaaataacgt t 1551

<210> 1908
<211> 468
<212> DNA
<213> Homo sapiens

<400> 1908
ggcaaaactg ggggagattg ttttgctgga ggccctgggt ctgggagaag gggggctgat 60
tcctctgaaa ttgctagaag agacacaggt gaggcctaac ttgggctttc cgctaccgtc 120
ctgcaggcat tattgtcatg gcactgctgg gcatgttcaa tgtgcaccgt catggggcca 180
ttaactcagc agccatcttg ttgtatgccc tgacctgctg catctctggc tacgtgtcca 240
gccacttcta ccggcagatt ggaggcgagc gttgggtgtg ggaacatcat tctcaccacc 300
agtctcttct ctggtgagga ctttcctttc cctggtgggc ctttctggat taggaatgaa 360
gaacacattg tgggctgggt cacagtgggt tcacamctgt kaatcctagc acttggggag 420
accgaggscc gaggwttcaa tttgaggccc aaaagttttg aggacaag 468

<210> 1909
<211> 1799
<212> DNA
<213> Homo sapiens

<400> 1909
ggcacgagga ttacacgtct gagccaccat gcccagccca gaaaaaaatt tctatcatct 60
tttgctacca tttttgctgg cactactaaa agcattaaaa tgtgacagca gttccattgc 120
ctccacatct atgtacaatt tctaatacca tttttgctct ggtgctgatg gtttcctgat 180
atcaggtagg gtggagtaca gggatgcttc taccaggagt gtgattatac agccactgcc 240
tttatttctg gctttgcctt tgtgatatgg tctatcagat gattgataaa atctatctag 300
agtaaggata taagacaaaa taaagatact gtaattaagg ggaaagggag gctagaggac 360
atggctcagt atccccaagt cttttattta ggatatgggt tcagctactt ctgacttgac 420
ttaaacagtg acaaaataac aatggcttaa acaagatagt ttatttctct tcatgtaaaa 480
atttgaatga caatttagtg aaggtgacaa gggcccacgc ttctgctaag gtccaggcat 540
tcctagagtg gtatatgata gatcatatgg tataagctag atcacttcca tagccacaga 600
gtatccagtt attaatacaa acaaatgaga agaggaaggg gagagcaagt ctttctttgt 660
ttttagagca caatccagaa gttgaattcc tatcttagtc acattaaatt ggctagagta 720
tcgttacgta gtcagaccta gagttgcaaa ggagactgaa aaaatgcagt ttaatctgaa 780
cagccatgtg tccaggtaaa aattctgtta ttagggaaga aagagagaat gaatattggg 840
aaacactttc aagactccca caccaaagta ctacctaaat attttattct tcctatgttt 900
gtgtgaggta ttgaggtttt ayaaatgtgc acataatttt gcaattgtat ttttatttat 960
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tgtacatgag atagtataaa ttttacagtc actaatttaa gtttcttttc attagacgct 1260
gttggaagct ctgactgtgg cagttgttgt tactttctat gatgtatata ttattctgca 1320
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gaaggatttc agcaaatttg gagcagggct gtttgctctt ttgtggatat tgtgcctgtc 1440
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acctgaagag tacgtattag ctgccatcag cctctacttg gatatcatca atctattcct 1620
gcacctgtta cggtttctgg aagcagttaa taaaaagtaa ttaaaagtat ctcagctcaa 1680
ctgaagaaca acaaaaaaaa tttaatgaga aaaaaggatt aaagtaattg gaagcagtat 1740
atagaaactg tttcattaag taataaagtt tgaaacaatg gaaaaaaaaa aaaaaaaaa 1799

<210> 1910
<211> 1267
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1264)
<223> n equals a,t,g, or c

<400> 1910
cggattatgc ngamacnccc cagggnttrt gctatgacgt cgcatgcacg cgtaagcttg 60
ggcccctcga gggatcctct agagcggccg ccgcggcatt cggggaatct gcagggcaga 120
tgagtaacga aagaggcttt gaaaatgtag aactgggagt cataggaaaa aagaagaaag 180
tcccaaggag agtcatccac tttgttagtg gtgaaacaat ggaagaatat agcacagatg 240
aagacgaagt tgatggcctg gagaagaaag atgttttgcc tactgttgat ccgacaaaac 300
ttacctgggg tccctactta tggttttaca tgcttcgggc tgctacatca actctctcag 360
tgtgtgactt ccttggagag aagattgcat ctgttttggg tatcagcacc ccaaagtacc 420
aatatgccat tgatgaatat tatcggatga agaaggagga agaagaagaa gaagaagaaa 480
acaggatgtc tgaagaagca gaaaaacaat atcaacagaa taaattgcag actgattcca 540
ttgttcagac agatcaacca gagacagtga tatccagctc atttgtgaat gtcaatttg 600
aaatggaggg agacagtgaa gtaattatgg aaagcaagca aaatccagtc tctgtcccac 660
cataaaatga aatgactatc aagcttcaaa ctcttaagtt ttttttttt aatacaaaaa 720
ctttcacatt ctttattcag tgggacttaa tacaattatt tatattttaa attattaaag 780
tatctggaaa gggaaaatgt tttcttcatt tttaggatct atctagcaaa agccagatct 840
gaaattcaga tatttgtact gtttttactg tgtatagaaa ttagtgcttt ggttttaaaa 900
tgatctttta aaaaagttaa ggacatccta gagccttaat agttaagaag agttaaatta 960
tcaagcctat ttgtgcattt gctttttttg aaaaaggtaa gttgctgatt aagtctaatt 1020
ggaattgata attccatagt cttagattaa aatgaggata ttttctccta gattttctca 1080
tgttatgcca tgcatttata tatctaacca ttaatttcac actaaggatg cttcaccata 1140
taataaaagg agcaagatgg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
aaaaggggcg gacgcgtggg tccgacccgg gaattcccgg atcngtcact gncgggctga 1260
cttntct 1267

<210> 1911
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (551)
<223> n equals a,t,g, or c

<400> 1911
tggcggggag cgcaagcggc ggcggccact gccacgtatt cccggcagtg gtggcggcgg 60
cggcggcggc gcccgcgggc aggaataact caagtcacct gtactggaaa tcagtttgct 120
gaaattaatc aacgattctt gaagttgaag aaaagttgtt ctctctacag gaggttccag 180
ccttgsaaga ggagtgtggc ccttcctgga atccctctgg acacaccctc ctagcatcct 240
ctaggaaaga tgcggcakcs aaagggaagc ccaagaagga gacctccaag gacaagaagg 300
agcggaagca agccatgcag gaggcccggc agcagatcac tacagtggtr ctgcccacrc 360
tggccgtggt cgtgctcttg atcgtggtgt ttgtgtacgt ggccacgcgc cccaccatca 420
ccgagtgagc cccgcatncg gtcgcggacc ccatcggcag ggagaggaat gctcgggagg 480
gggacgcaaa caaaaaatgg cttttatatt cagagatgtt catgttgctg aactgttaag 540
cangaancac nctg 554

<210> 1912
<211> 1718
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<400> 1912
tggantggga ngtagtgcgg tccatcagtt ntggccttcc agccagatgt tgtcattaca 60
gcagtaacct gaagctttca ccgtagacgt gctgtattgc ccagaagcca tcrtgtcsct 120
ggtcggsgtc ctgcggaggc tggctgcctg ctgggagcac cagcgggctc ctgaggtcta 180
crtggccttt acygtccgca acccagagac gtgccagstg ttcaccaccg agctaggcyg 240
ggctgggatc agatgggaag cggaagctca tcatgaccag aaactgtttc cctayggaga 300
gcacttggag atggcaatgc tgaacctcac actgtaggac tcacacacga ctccaacggg 360
attgtgagaa tcaagtcact ctcatgggaa gaatttttat atgggaaagc ggataaaact 420
ttcattggac tggaatgttt ggagaatgtt aawttccaaa tcaggaacca caaactgccc 480
tctaataaga catcggctat ctaagcgtgt gggtgccccc tttctgccag cagttctggt 540
tcttaagaaa atcaccataa atcagacatg aaaattctgg ctccaaaaay agcattttct 600
ttgtgcaaat aaaaacgtgt gtatcaagta tgatgttccc ccaacgtgga cacactcagt 660
tcctcacaaa gccaagccca ctgcagctgc cacatccctg ggcttacggt gcagcaggtg 720
ctttttttcaa gacaggaatc aaaatgttag gaacacggca gaaaggggac acctggagac 780
caaacgcagg atgaggagtt ctgcagaggt cacagggaag tcacagaaca gtaatacgct 840
agcaggggca tggggcgtga agaacagaag aagagaggaa gcgtttccaa gcctccagag 900
aagaaatcaa ggccaaccaa agcttcccgg gtcacagaac caattctttt accaggcagt 960
accactgctg tcatttcagc ttctggccac tgggaggtgc tgctcgaaag ggtttgccct 1020
gagactccaa gaagaagctg cgggaaggac agcaggggtc ctggggtttt agcctctggc 1080
ccaggagtta tgtgtccata accaaakgga gcacastctg cacccakctc tcatcccatc 1140
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gaaagtttga gaaaagcatc tgcaaaaaaa taaagagcag agcttamctc attkcctgtc 1260
cccaccccat cccaggtcac cacctggctg accccaggtc cccgacccaa caacaaaccc 1320
tcccaagttc ctaactcyct cacttggact cgagactctt cacgccccag cagcgctccg 1380
cctccaactt gacatcaygc tttctggaaa cttccccgta tgtcccactt tcccacactt 1440
ggtgccctgg aacactcccg gcctctaacg tgctgtatrt tcccctgcga amacctcctc 1500
ttggsctctg gccaagtccc acccatctgt gggtaacaag ggggtgtsgg tgttcttttc 1560
agccttgcta aactstctga atcaaggatc acaaactaca cctgcaggcc aaatccagcc 1620
cacagcctgt gtttgtaaat aaagctttat tggaasaaag ccaaaaaaaa aaaaaaaaag 1680
gggggcgctc taaaagatcc tccaaggggc aagcttta 1718

<210> 1913
<211> 1975
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<400> 1913
actctctnca ggttgaaaag cctctttatc catttaatcc tctctggccc tccttccccc 60
mcwgcgtgga tgcaactaga gagacaaatc gcctaggaag actgatcaat cacagcaaat 120
gtgggaactg ccaaaccaaa ctgcacgaca tcgacggcgt acctcacctc atcctcatcg 180
cctcccgaga catcgcggct ggggaggagc tcctgtatga ctatggggac cgcagcaagg 240
cttccattga agcccacccg tggctgaagc attaaccggt gggccccgtg ccctccccgc 300
cccactttcc cttcttcaaa ggacaaagtg ccctcaaagg gaattgaatt ttttttttac 360
acacttaatc ttagcggatt acttcagatg tttttaaaaa gtatattaag atgccttttc 420
actgtagtat ttaaatatct gttacaggtt tccaaggtgg acttgaacag atggccttat 480

attaccaaaa cttttatatt ctagttgttt ttgtactttt tttgcataca agccgaacgt 540
ttgtgcttcc cgtgcatgca gtcaaagact cagcacaggt tttagaggaa atagtcaaac 600
atgaactagg aagccaggtg agtctccttt ctccagtgga agagccggga ccttcccccc 660
gcacccccga catccaggga cggggtgtga ggaagacgct gcctcccaat ggcctggacg 720
ggatgtttcc aagctcttgt tcccctaacg tctcaacagg cgctcactga agtgtatgaa 780
tatttttaa aaaggttttt gcagtaagct agtcttcccc tctgctttct cgaaagctta 840
ctgagccctg ggccccaagc acgggccggg catagatttc ctcttccaca agctgccgct 900
tttctgggca ccttgaagca tcagggcgtg aaatcaaact agatgtgggc agggagagtg 960
ttgcttacct gccctgctgg ggcagggttt cctgaaactg ggttaattct ttatagaaat 1020
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aaaaccacag aaaacaactt tacatgtata taggtcttga agtgagtgaa gtggctgctt 1140
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cacactgtcc cttcagtcca gggggccggg gctcaggagc catgacctgg tgtctcctgc 1620
ccaccctggt cccaggtaaa tgtgaatgga gacaggtatg agaggctgtc ctcgtctttg 1680
attcccccc aaccccacct cgggcctcac gacggtgcta cctaagaaag tcttccctcc 1740
caccccccgc tagcctggtc agtggtcagc aaattggaag aggatccgat gggagtgtaa 1800
atgtgagaca caatgtcttg attatacctg tttgtggttt agctttgtat ttaaayaagg 1860
aaataaactt gaaaattatt tgtcatcata aaaatgaaac aaattaaaat atttattgcc 1920
aggcaaaaaa aaaaaaaaaa aagttttggc ccatagtgag tcctttacaa gtcga 1975

<210> 1914
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 1914
gtacaagatg acggagccgg gcgcctctcc cgaggaccct tgggtcaagg tggagtatgc 60
ctacagcgac aacagcctgg accccgggct ttttgtagaa agcacccgca aggggagtgt 120
agtgtccaga gctaatagca tcggttccac cagtgcctct tctgtcccca acacagatga 180
tgaggacagt gattaccacc aggaggccta caaggagtcc tacaaagacc ggcggcggcg 240
cgcacacact caggctgagc agaagaggag ggacgccatc aagagaggct atgatgacct 300
tcagaccatc gtccccactt gccagcagca ggacttctcc attggctccc aaaagctcag 360
caaagccatc gttctacaaa agaccattga ctacattcag tttttgcaca aggagaagaa 420
aaagcaggag gaggaggtgt cacgttacgc aaggatgtac cgncctaaag atcatgaaag 480
tgaactatga rcagattgtg aaggcaca 508

<210> 1915
<211> 2885
<212> DNA
<213> Homo sapiens

<400> 1915
gggcacgagc ggctgctggc tcctcctcgt ccttgtcctc gtcctacttg tgagcccccg 60
cggctgccga gcgcggcggg gcctccgcgg tctgctcatg gcgcacagcc agcggctgct 120
cttccgaatc gggtacagcc tgtacacccg cacctggctc gggtacctct tctaccgaca 180
gcagctgcgc agggctcgga atcgctaccc taaaggccac tcgaaaaccc agccccgcct 240
cttcaatgga gtgaaggtgc ttcccatccc tgtcctctcg gacaactaca gctacctcat 300
catcgacacc caggcccagc tggctgtggc tgtggaccct tcagaccctc gggctgtgca 360
rgcttccatt gaaaagraag gggtcacctt ggtcgccaty ctgtktactc acaarcactg 420
ggamcacart ggarggaacc gtgamctcar ccgggggcac cgggactgtc gggtgtacgg 480
gagccctcag gacggcatcc cctacctcac ccatcccctg tgtcatcaag atgtggtcag 540
cgtgggacgg cttcagatcc gggccctggc tacacctggc cacacacaag gccatctggt 600
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ggacactgtg ctggggctag gggatgacac ccttctgtgg cctggtcatg agtatgcaga 780
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gccggggccg ggccccactg gggatgatga ctactcccgg gcccagctcc tggaagagct 1020
ccgccggctg aaggatatgc acaagagcaa gtratgcccc cagcgccccc agcccagccc 1080
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accamctcca tcggcaccca agcgggcatc atccccccac actgctcagg ggaggggagg 1200
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gcagcgcgag gctgcctcat caacggcaag aggaaaggag gggtctcggg acatctccag 1320
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ctcaagtgtg atgccttaca aaagcaccac tcagatgggc agctggactc tggtgtcctg 1560
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aaaaa 2885

<210> 1916
<211> 3008
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2235)
<223> n equals a,t,g, or c

<400> 1916
tgacatggaa agttgtatac caaaggagtc ttagggactg tccatggata ctgttatgta 60
tcatttcact tatattggct tcagcttgcg atttctctac tgtaagtggt gagaattgat 120
cagatagtta aggaaggtcc ttagataatg cagtatactt attaacatac agacatcaag 180
aagcagaaat atatagacat cttccttttt ggttctaata gggcttcgtg ggacacatat 240
gcaacatgcc tatgattttt acaagcctga tatgctatct gaatatccta tagtagatgg 300
aaaactctcc atacagtgct acctcagtgs attagamcgc tgctattctg tctactgcaa 360
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aatcaaaatg gaaatatgta cacatcttca gtatatggtt cccttgcatc tgttctagca 720
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ctcgtgcc 3008

<210> 1917
<211> 558
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 1917
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gcggttgcta tcgcttcgca gaacctactc aggcagccag ctgagaagag ttgagggaaa 120
gtgctgctgc tgggtctgca gacgcgatgg ataacgtgca gccgaaaata aaacatcgcc 180
ccttctgctt cagtgtgaaa ggccacgtga agatgctgcg gctggatatt atcaactcac 240
tggtaacaac agtattcatg ctcatcgtat ctgtgttggc actgatacca gaaaccacaa 300
cattgacagt tggtggaggg gtgtttgcac ttgtgacagc agtatgctgt cttgccgacg 360
gggcccttat ttaccggaag cttctgttca atcccagcgg tccttaccag aaaaagcctg 420
tgcatgaaaa aaaagaagtt ttgtaatttt atattacttt ttagtttgat actaagtatt 480
aaacatattt ctgtattctt ccaaaaaaaa aaanaaactg gaggggggcc cgtacccaat 540
cgccgtatat gatcgtaa 558

<210> 1918
<211> 1819
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1763)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1778)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1797)
<223> n equals a,t,g, or c

<400> 1918
gtctattagc ttttacctca aaattttaag ccagaactat catctttgtt tttttatttt 60
ctatctttaa acatttatct gtgaagtgac aaatggccta cagctgtgag agcaaatgga 120
catctcctcc tgaactctga gaagatgtca aaatccacag gcaacttcct cactttgacc 180
caagctattg acaaattttc agcagatgga atgcgtttgg ctctggctga tgctggtgac 240
actgtagaag atgccaactt tgtggaagcc atggcagatg caggtattct ccgtctgtac 300
acctgggtag agtgggtgaa agaaatggtt gccaactggg acagcctaag aagtggtcct 360
gccagcactt tcaatgatag agtttttgcc agtgaattga atgcaggaat tataaaaaca 420
gatcaaaact atgaaaagat gatgtttaaa gaagctttga aaacagggtt ttttgagttt 480
caggccgcaa aagataagta ccgtgaattg gctgtggaag ggatgcacag agaacttgtg 540
ttccggttta ttgaagttca gacacttctc ctcgctccat tctgtccaca tttgtgtgag 600
cacatctgga cactcctggg aaagcctgac tcaattatga atgcttcatg gcctgtggca 660
ggtcctgttr atgaagtttt aatacactcc tcacagtatc ttatggaagt aacacatgac 720
cttagactac gactcaagaa ctatatgatg ccagctaaag ggaagaagac tgacaaacaa 780
cccctgcaga agccctcaca ttgcaccatc tatgtggcaa agaactatcc accttggcaa 840
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gatttgcaat tagaatttga tgaaaaggct gtgcttatgg agaatatagt ctatctgact 1080
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taaatagatt gatttcattt ctaaccatcc aattctgcat gtattcataa ttctatcaag 1680
tcatctttga ttcctggacc taataaattt tttttccctt tcaaaaaaaa aaaaaaaaaa 1740
aaaaaaaaaa aaaaaaaaaa aanttcctgc ggccgcangg ctttttccct ttggtgnggg 1800
gttaattttg ggcttgggc 1819

<210> 1919
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<400> 1919
ggcaaaacca cttgcgcccg gactcaatga acttgtcata ctccacggac atcttgcagc 60
agagggcctg acgagtgcgc accgccgagc agttggtgtt gatgacacgg tcgccgccct 120
ggagctcgag ctcagggtcg tccccgtcgg tgaagataaa cgtctgctgg cgggcccggg 180
agatccaggt gcgcagcagc agccgcaggc gcggcccgtg gttcttccgg gtggtcttga 240
cggcgatgaa gacgtcgtca ggccgcaggc tgggggcagc gggccgggcc aggttcggaa 300
ttcttgcaaa acttattgtc cttgtcttca tttagcaaca gtggtaagta gttggaaacc 360
aagtatttat gtaagacaca catcacatgg tgatactcac atttatgtag aagtttattg 420
tttgaagttg ctttgtggcc atactttatt gtagtttkgg gatacagcta atgagtattt 480
ggsttttatt ctgattttat agtctgatta tttgggtcaa atcggnttag taggttaaat 540
gagatgattt agtnggttaa ctcacttagg tttttaa 577

<210> 1920
<211> 2115
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1342)
<223> n equals a,t,g, or c

<400> 1920
cagcaacgga ataaacgtgc aacatacgag cggtgatcca cagatgggtg cccatctctt 60
ctttgatttg ccctttattg cctaaccagc caaaaccagt nggcactacg gaatttttac 120
caaaatcaaa gatgcggtcg gtttcctgtt ccagccaacg gttgtggctt agggtgttaa 180
accatttcat tccttttatc ctcatcttag cggcgtttag ccatcatttc gtcgacccan 240
gcgtccgatt aacactaaga tactctgatt tttagccraa ctaaacaaag tgcttctact 300
gagaggcctt tataccacca tgtacagtaa ctctaagtga atacggaaga ccttggtttt 360
gaaattctgc caccttgttt ctccctgctc atgaggtcgc acctttgct cttgctgcta 420
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ccatccttta ttgttgctgg cacaacttga tatatagtct gactcagaac tgaagctcac 540
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caagaagaat ggagaagggg gcagccaaga agaacttctg ggttcagggt actgtttatt 660
tgctccttct cttcatgcct gtggctggat gtcccacaac actataagaa atataagtca 720
agccctttgt gttaagcaag aactacagac tccatctttt cacccaaatc atgaatgacc 780
aataaaaagc aagttattcc agaggaagaa gcagcccttg aaatgttaag gcttaggctt 840
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aatgaaggaa tgactaagga tgtttgtagt gctataatat agaatgggat ttactctgct 2040
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aaaaaaaggg cggcc 2115

<210> 1921
<211> 3953
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (626)
<223> n equals a,t,g, or c

<400> 1921
cgcaggcggc gggaggccca ggagaagcgg tactactacg acctcgatga ctcttacgac 60
gagagcgatg aggaggaggt cagggcccac ctccgttgcg tggccgagca gccgcccctc 120
aaactggaca cgtcctctga gaagctagag tttttgcaac tttttggctt gaccacccaa 180
cagcagaagg aggaattggt ggcccagaag cggaggaagc ggcggaggat gctgcgagag 240
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<210> 1922
<211> 1992
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1955)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1989)
<223> n equals a,t,g, or c

<400> 1922
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aagtctggaa gaaaaaccta agatgtactt catgaccatg atcgtttccc ttgctgcggt 180
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gttttaatcc tgtattattt cttctacttt gttttgtgta aaaggggaaa aaataaaaaa 1920
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ccccatagng ag 1992

<210> 1923
<211> 725
<212> DNA
<213> Homo sapiens

<400> 1923
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cacaaaagtt ttatcagtaa ggrattacag rttgagaaat grtggaataa taggcatrat 660
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gaagg 725

<210> 1924
<211> 2227
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<400> 1924
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acgtggggar ggcctgacar ccaattccca ggctgtcccc acccttgrag agtgacccta 360
aacgctagac agatggggaa tgggaaagaa aagaaagctg cagacctcaa gttaaaattc 420
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aaaaaaa 2227

<210> 1925
<211> 3911
<212> DNA
<213> Homo sapiens

<400> 1925
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ggcggcgggc agatcatcca cctgcaccaa ggcgagatcc gccagacagc ctgtatgagg 180
cgggcgcggc caacgtgggc cgggtggtga atagctggta ccgctaccgc ccgctggtgg 240
ccgagctggt ggtgcagcaa cgtgcgccac ctgggcctca agagcgagga gatctgctgg 300
acgaactcgg agacgttcgc cgcctggtgc gctttggcaa gcgggagttc aaggcgggag 360
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gccgtatcga cgccagcggc cgcctgcgag tgctccagga gctcgccgac ctcgtggacg 540
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cattccaaaa a 3911

<210> 1926
<211> 1041
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<400> 1926
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tgcagcacat aatcaatata aacattatat atatgaacta tttgacacta tttgacattt 180
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<210> 1927
<211> 2310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2309)
<223> n equals a,t,g, or c

<400> 1927
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gggcagtaga ggaattccat atattaatga atgtgagatt aagtatagag tgaagacatt 180
aacacacaat tctaatttct gttaggcaga atgctcccct accctgatgc cacagccttt 240
cacgtttcct aaaccctagt aacctctgat ctccatctgc ctcatcaaca cgtcaccacc 300
ctttgctctt cttccaatta gtcacatgtt ggctgaattt atttcactcc agtactttag 360
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ggagtgcaga tgttctttgg atgacctttc tactaaatta gacctctgaa ggagaaagct 480
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<210> 1928
<211> 421
<212> DNA
<213> Homo sapiens

<400> 1928
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gcagggtcgc gcgcatggcc tgggcgggct cgcggcgggt cccagctggg acgcgcgcgg 180
cagccgagcg ctgctgccgg ctctcgctca gcccgggcgc gcaaccggcc cgccccaggc 240
cctctgcacc gccgcgacca atgaggtttc tgacctcctg carcctcctc ttgcctcggg 300
ctgcccagat cttggcggst gargctggct taccttcgas ccgttcctty atgggatttg 360
ctgctccctt caccaacaag cgaaaggctt actcggagcg tagaatcatg gggtactcaa 420
t 421

<210> 1929
<211> 1283
<212> DNA
<213> Homo sapiens

<400> 1929
gcacggcgca gtgaatacaa gaaaggggca ctattttaac acaacctttt cccgtgatca 60
ccaccgaaaa ttactgacga gtcaatcacc tcagatctct caagcagtcc agcctacgca 120
acagtactcc acctctgcgc ctgtgcgggg agggtaaggc ggggccagca acttcctcag 180
ctggagggag agcgcacggt ggagccgcca gttgagaagg actctgatcc ggctcagctt 240
tccaatcagc tgcggaagga gccacgcttt cgggggttgc aagatggcgg ccaccagtgg 300
aactgatgag ccggtttccg gggagttggt gtctgtggca catgcgcttt ctctcccagc 360
agagtcgtat ggcaacgatc ctgacattga gatggcttgg gccatgagag caatgcagca 420
tgctgaagtc tattacaagc tgatttcatc agttgaccca cagttcctga aactcaccaa 480
agtagatgac caaatttact ctgagttccg gaaaaatttt gagaccctta ggatagatgt 540
gttggaccca gaagaactca agtcagaatc agccaaagag aagtggaggc cattctgctt 600
gaagtttaat gggattgttg aagacttcaa ctatggtact ttgctgcgac tagattgttc 660
tcagggctac actgaggaaa acaccatctt tgcccccagg atacaattct ttgccattga 720
aattgctcgg aaccgggaag gctataacaa agctgtttat atcagtgttc aggacaaaga 780
aggagagaaa ggagtcaaca atggaggaga aaaaagagct gacagtggag aagaagagaa 840
caccaagaat ggaggagaga aaggagctga tagtggagaa gaaaaagagg aaggaatcaa 900
cagagaagac aaaactgaca aaggaggaga aaaagggaaa gaagctgaca aagaaatcaa 960
caaaagtggt gaaaaagcta tgtaaggtat acagggaaca gcactctaga agctatgact 1020
caattgagac tacaagtacc acggtgctac ttgcacagac ccctttggtt aaatgtaaat 1080
tcttgtacaa ttgaaggata cgcagaagga catctttcta gtctaacagt caggagctgc 1140
tctggtcatt cccttgtatg aactggtcta aagactgtta gtggggtgtt agttgatttt 1200
tcctggtata ctgtttcttg gctgacacta ctggtcaagt aagaaatttg taaataaatt 1260
tcttttggtt cttattatct aaa 1283

<210> 1930
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (597)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (649)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (667)
<223> n equals a,t,g, or c

<400> 1930
gaatgatcag tatacaagat acagtatttt ctagaaaaac tgtctctgat tctggacaaa 60

gctcagttat agttacgaga aagatatggt acagggagga aaatactgcc ttttttttt 120
ttttaaagag attttcagac taaatagaaa tgtcaaaatg atgtatcaat ggttcttttt 180
tagaacaagt tttcaaagca taaaaagagg ttgagagaaa taacatattt attgattcac 240
ataagtatgt ttttcttcat taatcgtctg gagaaaccca cttgtcatta atttgttttg 300
ggctaggttt tcaaacttac caaattgctt taaaaaagca atttggaagg taatttgata 360
ggctttccaa cttaaccaaa ttttttattg taattcttgg atagtatttt tgtcttttc 420
aattcatttg tctttttcag tatagttttt gttaaggcaa atgtcttccc ttaatatcca 480
aatattgcta ataaacggta gaagatgctt tnggaaatta aaattatctc gctgktggtt 540
agacttaaca ctgktaatct tyagccaaat atcacatatg gatcaaatta ttttctnttt 600
tgttgtttac ctatcctcaa caacattttt agtttaaatt attgtaaana tttttttgtg 660
ggtggtnatt tttatttgct ccaaaataat aaggtgcaaa ctattttatg cttaactgtt 720
gctctgtcaa aacactatgc atggattgca tttgaaaaaa aa 762

<210> 1931
<211> 1633
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1605)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1618)
<223> n equals a,t,g, or c

<400> 1931
tgcctctnat tttaggctga ggccgtccaa agcggccatg ccccatgttt ccactagatg 60
gcgctgacac ttcaggcatc aaccctcatg gcctctcagc cttgcaaagg cagccactta 120
aagtcggtgt cctgtgtggg gcaccaagct gagctgcaga cacccagtag gcgcgaggca 180
aatgcgtccc attttaagag gcttgtattt atgagctctt tgcttcctcc ctcccactaw 240
ctttaaagaa ttgctctcca tctcctttgg caaagttcct ttgccctttg tcttattttt 300
gtgaaacctc caaggtattt ccagtccatt tgcatccaat ctggcatctt tacggagagc 360
ggtctcatat gctattgttg ttaacgtgga ctagtattta tgtgttgaga acactggctg 420
tttgtmagga aaagtgtgcc aaaacaaaga gtacggccgg ccctggaaat gcatcagcaa 480
aacccatttc ccccgtgcac tcattctgag cttccttcct tcatttctgt cattactgct 540
gagaactgga ctgtgcccag ctgacctttc ccttccttgc cctcatcttg ctgccagggt 600
ctgcaggttt gccaccgtcc cggccccagt ctgaaacatg ggattatttc agaattggag 660
gtggcagctt cagaaaaaaa tccttctcgt gtgttgactg ctgagatcca ggaactggga 720

aatcaacccc cagtttgtag attgctctct ttggaaattc tgtggcccaa cctcgtggct 780
gttttctgga attccttcta tcggggcaga cagtgctgtg cctttcttga cttcaggatg 840
ttccaaggat gctgctggat ctgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgc 900
gtgcgtgcgt gtatgtgcgc ctgaccctga tttctgcaac ctccagattt ctttcttgac 960
ccttcaaagt ggaacagtcc agtgccaaaa attttagagt ttgagaaggt cacagaaatc 1020
ctctagttgg tgcctccaca gtcttcattt tacagaggaa ctcagggcta atggagttaa 1080
tgcaactaga tcagggtttt gggtctgtgt tctttctacc gtcagcacct gtgtggtcaa 1140
ttctggacac ttcccagaga agtctttgag tagagaatcc tactcaaatt tcactgtata 1200
ttttaagcat tcctctcctt tccctttgcc tcccctgttg ccttttcttc ccctgatttc 1260
tcctctggtc atctcctctc ccttctgcgt gtaagccatg ggaaagggat gagggaggac 1320
agcttctggt taaacacagg tccctcttcc acatcaaatg aacattggct tcctgggaca 1380
gaaggccttc aaaggaggga ttgcaaagca aggcaaagcg ttctgtcttc attttcccca 1440
tccccatgag acaagactga tggaaagggt ggtggggcaa cactgcttaa tggatgcctt 1500
ttcacatcat ttcagttttt agccctcatg actgtatttt ctaatcagag acaataacat 1560
tttaaataaa acaacgacaa agaaaaaaaa aaaaaaaagg gggcnnccct caaaggancc 1620
aacctttctt acg 1633

<210> 1932
<211> 1126
<212> DNA
<213> Homo sapiens

<400> 1932
ttcgtttagg tcggctggaa attatgtcct ccgtcggttt tccgcagttt ttccaccaag 60
cgagatattt ttgggagtta ttccctaaat aactgcatta tatgctcctt tcatgacgaa 120
attgctgccg tggagaagac tggaggaaac tcgaggaaga gggagaagcc gacaagtgct 180
cgacgggcta ggaactgtcc tgcttgggtg ttagcgtttc ccgycgggcc agtaaggctg 240
agtgasccgg cgtggctact aggagaagga cgtacggtcc tgctagtaga ggaatatgtc 300
gagtttctct agggcgcccc agcaatgggc cacttttgct agaatatggt atctcttaga 360
tgggaaaatg cagccacctg gcaaacttgc tgctatggca tctataagac ttcagggatt 420
acataaacct gtgtaccatg cactgagtga ctgtggggat catgttgtta taatgaacac 480
aagacacatt gcattttctg gaaacaaatg ggaacaaaaa gtatactctt cgcatactgg 540
ctacccaggt ggatttagac aagtaacagc tgctcagctt cacctgaggg atccagtggc 600
aattgtaaaa ctagctattt atggcatgct gccaaaaaac cttcacagaa gaacaatgat 660
ggaaaggttg catctttttc cagatgagta tattccagaa gatattctta agaatttagt 720
agaggagctt cctcaaccac gaaaaatacc taaacgtcta gatgagtaca cacaagaaga 780
aatagacgcc ttcccaagat tgtggactcc acctgaagat tatcggctat aagagaataa 840
gaattgcaga aaataacagt gaagtgattg aaactttctt ctgatgagtt tctctaacct 900
acaggatgga gtaaaacaac tgctacagtt cagcacctgt tttatgtgcc gaatcactgt 960
ggggaaaggt caggaaggtg tagtccttca ataggaaatt gtaattaaaa tataatttta 1020
tagaaccatt tttatgtaat ctgatttgaa tgttatagtt gataataata aaatcactta 1080
cttggttgac tatttagtgt tgcatttaat gataaaaaac agaccc 1126

<210> 1933
<211> 1797
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (378)

<223> n equals a,t,g, or c

<400> 1933
attctcaaaa gagtattaca ggcgtgacac cactcttggc ccagcctgtg ggttttgatg 60
gggatgtctt ggctgctgtc ttggaggcac agtgtctccc catgtgtgtg tttcttggcc 120
cagagtgact cccagtattc ctagtccttc cccacaggat agtcacatcc attatttact 180
tttgttgtca gctgggaggg gaaactgaag cctggacacg tctccccaag ggctcagtgt 240
tcatgggtgt gtaagatcca ttgactggac cccagaaagc accctgaggg gcagtgcaga 300
gagagcccag gaagcccctc cactagagga ggcccttggt ctggctgagg accacgtcac 360
cctgggcctc cagsctgnct tttcacatta aaggcggggc agtctcctct caaaggagtt 420
ctcccttgag cactttgggc tctggggcag agttgggcta ggagatctgg gtgaatcctt 480
tagtcacagc tagtctcatg ttcctcttct gtcaaagggg tcatggcccc agtgtgtcct 540
acctcagagt tgtcagggtc aaagtaacag gcactgggac aaatatgaag cctagctttg 600
tgcttccttt caaattcagg gcctcctttc tactccattc cagccttttt ttcctgtcag 660
aatccctcag gaaggacctt tatcttctgg agtgagtggc agttccactg ggttcagtga 720
aagagtcgcc catggggctc tgttccccag gagtcctttg tattttggtg aacaaattct 780
taccaaagca tgagattcgg actgtagaag ttcagactgc ctcagttcag actgcctcat 840
ggggcagtct ggaggtcagc tggcttctgg tgtctctcat cacaccactg cggacgctgt 900
ctgtagagca gccttggtgt gggtgactct gaagctggag tgatgggacc ccagctatcc 960
ttgtttttta ccgccttgtc tggcactgtg accacgcttc agggctgctt ctgggggtct 1020
tggtccctgg atgtgccatt tccttgccct tctgaccctc acacttcttc caaagtcttg 1080
agcagagttg ggggccaatg gtagcattgc tgtcatctct gggaggagag tgagtataca 1140
agtcagtgac agttcagcca ggctcccttg ggtttgggaa gaggcactgc ccttctgtgc 1200
tgtggatcct gcttgtctgc tctggagtcc ccccaccctt gccaggagct tcacaaacca 1260
gagacgggct gtcagcaaga gctcagacag gatgtggtgc aagtgcaggt gcacgagttt 1320
aaccctcagc tgcaggagct agtctcaggt gttctgggga tgcctcaggc taagaatttt 1380
gccgactttc tgggcttggt tggctaatgc caaatgcccc tgcttaaata tcacaaggtg 1440
ctgattctcc ttttttcttt ttttcatacc aatgtgctca aactttgagc taggtcttgt 1500
gagtttgcct agcactcaga cctgtttaag taacgttctt tacattgaaa caagtcaacc 1560
gaagctttgt ggtgcaggag ctgagggtgc cccagactca gtgggagccc tggttgggcc 1620
ccaaactctc ccagcagggt cctcggtttc ctcatttgtg aaataaatga gtgggccacg 1680
acgttaataa gcccaagaga actgtgaagg tggtagtccc ttgccctaat tggtgctcaa 1740
taaagttgtt ggcataaacg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 1797

<210> 1934
<211> 337
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (335)
<223> n equals a,t,g, or c

<400> 1934
ttcaggtgac actcatagaa ggtacgcctg caggtaccgg tccgraattc ccgggtcgac 60
ccacgcgtcc gcacattagc aacaatgtac attaattttg gattttcatt ttcatgtttt 120
attttgtaaa tattatctga tgtttggagc ttgagtatac agactgtaaa tatagttctt 180
gtatttgtac taattctgat tcttttgctg tatagcctta gatgtgcaat gcagacacta 240
tctaactgtg tgtggtaacc ttgcgtcacg gagctgttag tgaacgaggt aaaaataata 300
aaggtacagc cagtngcatc aaaaaaaaaa anaanaa 337

<210> 1935
<211> 1330
<212> DNA
<213> Homo sapiens

<400> 1935
gctgcgctcg gctgagtcag tcagtctgtc ggagtctgtc ctcggagcag gcggagtaaa 60
gggacttgag cgagccagtt gccggattat tctatttccc ctccctctct cccgccccgt 120
atctcttttc acccttctcc caccctcgct cgcgtagcca tggcggagcg tcggcggcca 180
ctcagtccca ttccatctcc tcgtcgtcct tcggagccga gccgtccgcg cccggcggcg 240
gcgggagccc aggagcctgc cccgccctgg ggacgaagag ctgcagctcc tcctgtgcgg 300
tgcacgatct gattttctgg agagatgtga agaagactgg gtttgtcttt ggcaccacgc 360
tgatcatgct gctttccctg gcagctttca gtgtcatcag tgtggtttct tacctcatcc 420
tggctcttct ctctgtcacc atcagcttca ggatctacaa gtccgtcatc caagctgtac 480
agaagtcaga agaaggccat ccattcaaag cctacctgga cgtagacatt actctgtcct 540
cagaagcttt ccataattac atgaatgctg ccatggtgca catcaacagg gccctgaaac 600
tcattattcg tctctttctg gtagaagatc tggttgactc cttgaagctg gctgtcttca 660
tgtggctgat gacctatgtt ggtgctgttt ttaacggaat cacccttcta attcttgctg 720
aactgctcat tttcagtgtc ccgattgtct atgagaagta caagacccag attgatcact 780
atgttggcat cgcccgagat cagaccaagt caattgttga aaagatccaa gcaaaactcc 840
ctggaatcgc caaaaaaaag gcagaataag tacatggaaa ccagaaatgc aacagttact 900
aaaacaccat ttaatagtta taacgtcgtt acttgtacta tgaaggaaaa tactcagtgt 960
cagcttgagc ctgcattcca agctttttt ttaatttggt gttttctccc atcctttccc 1020
tttaaccctc agtatcaagc acaaaaattg atggactgat aaaagaacta tcttagaact 1080
cagaagaaga aagaatcawa ttcataggat aagtcaatac cttaatggtg gtagagcctt 1140
tacctgtagc ttgaaagggg aaagattgga ggtaagagag aaaatgaaag aacacctctg 1200
ggtccttctg tccagttttc agcactagtc ttactcagct atccattata gttttgccct 1260
taagaagtca tgattaactt atgaaaaaat tatttgggga caggagtgtg ataccttcct 1320
tggttttttc 1330

<210> 1936
<211> 678
<212> DNA
<213> Homo sapiens

<400> 1936
ccggcaggtg acaacggcaa catggccctg aacggagctg aagtcgacga cttctcctgg 60
gagcccccga ctgaggcgga gacgaaggtg ctgcaggcgc gacgggagcg gcaagatcgc 120
atctcccggc tcatgggcga ctatctgctg cgcggttacc gcatgctggg cgagacgtgt 180
gcggactgcg ggacgatcct cctccaagac aaacagcgga aaatctactg cgtggcttgt 240

caggaactcg actcagacgt ggataaagat aatcccgctc tgaatgccca ggctgccctc 300
tcccaagctc gggagcacca gctggcctca gcctcagagc tccccctggg ctctcgacct 360
gcgccccagc ccccagtacc tcgtccggag cactgtgagg gagctgcagc aggactcaag 420
gcagcccagg ggccacctgc tcctgctgtg cctccaaata cagatgtcat ggcctgcaca 480
cagacagccc tcttgcagaa gctgacctgg gcctctgctg aactgggctc tagcacctcc 540
ctggagacta gcatccagct gtgtggcctt atccgcgcat gtgcggaggc cctgcgcagc 600
ctgcagcagc tacagcacta agagaagccc ctgagaaaaa ccctctagaa aaacaaaaaa 660
aaaaaaaaaa aaaaaaaa 678

<210> 1937
<211> 2428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2422)
<223> n equals a,t,g, or c

<400> 1937
ccgccgcccc cgcctgggcc gcgctccccc tctcccgctc cctccctccc tgctccaact 60
cctcctcctt ctccatgcct ctgttcctcc tgctcttact tgtcctgctc ctgctgctcg 120
aggacgctgg agcccagcaa ggtgatggat gtggacacac tgtactaggc cctgagagtg 180
gaacccttac atccataaac tacccacaga cctatcccaa cagcactgtt tgtgaatggg 240
agatccgtgt aaagatggga gagagagttc gcatcaaatt tggtgacttt gacattgaag 300
attctgattc ttgtcacttt aattacttga gaatttataa tggaattgga gtcagcagaa 360
ctgaaatagg caaatactgt ggtctggggt tgcaaatgaa ccattcaatt gaatcaaaag 420
gcaatgaaat cacattgctg ttcatgagtg gaatccatgt ttctggacgc ggatttttgg 480
cctcatactc tgttatagat aaacaagatc taattacttg tttggacact gcatccaatt 540
ttttggaacc tgagttcagt aagtactgcc cagctggttg tctgcttccy tttgctgaga 600
tatctggaac aattcctcat ggatatagag attcctcgcc attgtgcatg gctggtgtgc 660
atgcaggagt agtgtcaaac acgttgggcg gccaaatcag tgttgtaatt agtaaaggta 720
tyccctatta tgaaagttct ttggctaaca acgtcacatc tgtggtggga cacttatcta 780
caagtctttt tacatttaag acaagtggat gttatggaac actggggatg gagtctggtg 840
tgatcgcgga tcctcaaata acagcatcat ctgtgctgga gtggactgac cacacagggc 900
aagagaacag ttggaaaccc aaaaaagcca ggctgaaaaa acctggaccs ccttgggctg 960
cttttgccac tgatgaatac cagtggttac aaatagattt gaataaggaa aagaaaataa 1020
caggcattat aaccactgga atcaccatgg tggagcacaa ttactatgtg tctgcctaca 1080
gaatcctgta cagtgatgat gggcagaaat ggactgtgta cagagagcct ggtgtggagc 1140
aagataagat atttcaagga aacaaagatt atcaccagga tgtgcgtaat amctttttgc 1200
caccaattat tgcacgtttt attagagtga atcctaccca atggcagcag aaaattgcca 1260
tgaaaatgga gctgctcgga tgtcagttta ttcctaaagg tcgtcctcca aaacttactc 1320
aacctccacc tcctcggaac agcaatgacc tcaaaaacac tacagcccct ccaaaaatag 1380
ccaaaggtcg tgccccaaaa tttacgcaac cactacaacc tcgcagtagc aatgaatttc 1440
ctgcacagac agaacaaaca actgccagtc ctgatatcag aaatactacc gtaactccaa 1500
atgtaaccaa agatgtagcg ctggctgcag ttcttgtccc tgtgctggtc atggtcctca 1560
ctactctcat tctcatatta gtgtgtgctt ggcactggag aaacagaaag aaaaaaactg 1620
aaggcaccta tgacttacct tactgggacc gggcaggtaa ctcacgtggt ctttgcatct 1680
catttctatc agagggatgt cgctccccta caggggcag tagtgaaaaa agagtcattc 1740
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cattttacc cttctgcaaa gtctcttgta attcctaagt aatgaaatga aaagtacaaa 1860

tttcttaaaa caagctctgt tctttttctt ctggaaaact tgtgtagttt gtcctgtgta 1920
tctgtttctc atgaggagac cggctttctg tggcccacgt gaacactgag taagaaacaa 1980
aagactgtgg tctccaggac acagtgtgtg tttgtcctct gccatggtta ttcaccaagt 2040
ggagtccagc agtttaggaa tcgggaggtc tcccatgatg agttgtcatc ttctgaattg 2100
ctgcaagtga caccaaaggg gccccctac cagtttctca cttcccagtc tcactactgg 2160
atcagctctt aggagccagg agagttcact gctgtggcta ggatagaaaa gggcagctag 2220
tgccccaggg tagatcttgg aaaatatttt ttgggaaaaa tgtaattaag gccaccccta 2280
aaatagatac tgtatctggc tgtactatac taacagtgat ttgcctgcat gtgtttgata 2340
gagatttcta ccatgtactg cttggtgctg gatagtctat cacagcaara aaaaaaaaaa 2400
aaaaaactcg agggggggcc cngtaccc 2428

<210> 1938
<211> 922
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (849)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (893)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (909)
<223> n equals a,t,g, or c

<400> 1938
gtancngaca gtcacggtcg gattcccggg tcgacccacg cgtccggtcc gcagtgacta 60
cactcatggc aggtcccctg tggcggaccg cagcatttgt gcagagacac aggacaggcc 120
tcttggtggg ttcctgtgca ggcctgtttg gagttccagt ctcgtaccac ctcttcccgg 180
atcccgtggt ccaatggctc taccagtact ggcctcaggg ccasccagct ccgctccctc 240
cacagctgca gagcctcttc caagaggtgc tacaggacat aggtgttcct tcaggccatt 300
gctacaagcc cttcaccacc ttcaccttcc agcctgtgag tgcaggcttc ccaagactcc 360
ctgctggggc tgtggtgggc atccctgcca gtttcttggg agacctagtg atcaacacta 420
accatcccgt ggtcatacat gggcatacag tggamtkgcg gagccagcar gcgcccggct 480
gagagcttcc ctgaccttgt cccgtgaagc ccagaagttc gccttggcca gggaagtggt 540

gtacctggaa agcagtacca ctgccgtgca cgccctgctg gccccagctt gcctggcagg 600
gacctgggca ctgggcgtgg gtgccaagta caccctgggg ctccatgcag gccccatgaa 660
tttacgggct gccttcagct tggtggcagc agtggcaggc tttgtggcct acgccttctc 720
ccaggattct ctcactcatg ccgtggagtc ctggctggac cgccgcacgg cytccctctc 780
tgcagcctat gcctgtggtg gagtggagtt ctatgagaag cttctgtcgg gcaacctggc 840
cctgcgcant ctctttgggc aaaagaaggg ggagaagctg tatacaccca acngggaaca 900
tcgtccccna gacacttgtt cc 922

<210> 1939
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<400> 1939
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ttgcctttta aaaagttgga ttttaaccga cgtgttgtag ggttcttggt ctgtgtgaag 120
gcagagacca gagagaagga agtgagccca ctgctctcct gggagcaatg tgggtgagtc 180
caccagaggc cctgctgtgt gtggccaata aattttagtc ttccccagcc ctcgaggcag 240
tgtgtgtgga tgtatgcgtg tggatattta tatatgtacc ctgcactcat gaatgtatga 300
actggaggaa gttactacag tggaagggtt cttaataaca aggtctacct agcatgaagt 360
atttaacatt ctcccatccc ttaaaaaata tacatttta taaaatgaaa accataataa 420
atgttttgaa tattaaaaaa aataataacc tacagaggaa aattaatgga gacagctatt 480
tgccttgtac tttttccaca attgttgctg ctagttgtac acatctctag ttcagctctt 540
gcccacggga cactcatcaa ttaggtttta tttttawttc tttcctctac ccccagaaac 600
aagcctgtta attttttttcc ttctcctctg gsgactgtgt gatgaaycct tycttgcgtg 660
atcaggttgc ggataractt gtaagggkgt ttgctgcata cagkgtwagc attgtgaccg 720
ccaataaact tcaatggttt ctaaaaaaaa aaaaaa 756

<210> 1940
<211> 1884
<212> DNA
<213> Homo sapiens

<400> 1940
aggctgatta tttactgtct agaatggatg ttaccagctg catctcttac cgaaattttg 60
caagttgtat gggagactcc cgtttgttga ataaggttga tgcttatatt caggagcatt 120
tgttacaaat ttctgaagag gaggagtttc ttaagcttcc aaggctaaag ttggaggtaa 180
tgcttgaaga taatgtttgc ttgcccagca atggcaaatt atatacaaag gtaatcaact 240
gggtgcagcg takcatctgg gagaatggag acagtctggw wgwgctgatg gaagaggttc 300
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agaatggcca taagcagata agtagcagtt caactggatg tctctcttct ccaaatgcta 480
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cttacttgtg cctggctgtg ctggatggta tattctgtgt catttttctt catgggagaa 600
acagcccaca gagctcacca acaagtactc caaaactaag taagagttta agctttgaga 660
tgcaacaaga tgagctaatc gaaaagccca tgtctcctat gcagtacgca cgatctggtc 720

tgggaacagc agagatgaat ggcaaactca tagctgcagg tggctataac agagaggaat 780
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yagaggtaca cttgtgaata aagagggtgg gtgggtatag atgttgctaa cagcaacaca 1680
aagcttttgc atattgcata ctattaaaca tgctgtacat acttttgggg tttatttgga 1740
aaggaatgca aagatgaagg tctgttttgt gtacttttaa gactttggtt attttacttt 1800
ttggaaaaga ataaaccaag aattgattgg gcacatcaaa aaaaaaaaaa aaaaaaaaaa 1860
aaaagggcgg ccgctcaaga gtat 1884

<210> 1941
<211> 2731
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1629)
<223> n equals a,t,g, or c

<400> 1941
aaggcgtctg gagtttaatg ttacttggtg atatgagact tncattcttn caggtggaag 60
atgagctcag ctccccagtg gtggtgttca gatttttcca ggaattacca ggctcagatc 120
cggtgtttaa agccgtccca gtgcccaaca tgacaccttc aggagtcggc cgggagaggc 180
actcgtgtga cgcgctgaat cgctggctgg gagaacagct gaagcagctg gtgcctgcaa 240
gcggcctcac agtcatggat ctggaagctg agggcacgtg tttgcggttc agccctttga 300
tgaccgcagc agttttagga actcggggag aggatgtgga tcagctcgta gcctgcatag 360
aaagcaaact gccagtgctg tgctgtacgc tccagttgcg tgaagagttc aagcaggaag 420
tggaagcaac agcaggtctc ctatatgttg atgaccctaa ctggtctgga atagggttg 480
tcaggtatga acatgctaat gatgataaga gcagtttgaa atcagatccc gaaggggaaa 540

acatccatgc tggactcctg aagaagttaa atgaactgga atctgaccta acctttaaaa 600
taggccctga gtataagagc atgaagagct gcctttatgt cggcatggcg agcgacaacg 660
tcgatgctgc tgagctcgtg gagaccattg cggccacagc ccgggagata gaggagaact 720
cgaggcttct ggaaaacatg acagaagtgg ttcggaaagg cattcaggaa gctcaagtgg 780
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ttaacttgac agcaggctct ctggagtcca cagaacccat atatgtctac aaagcacaag 960
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tcagtcacat tgaagactta gaaaaggtgg agcgcctatc cagtgggccg gagcagatca 1140
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tgtttgtgct tcactgggat tttggcacaa atatgtgcct gaaaggtagg ctttctagga 1440
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gacttttccc taagttacca taaacacatt ttattcacaa aaaacacttc gaatttcaag 1560
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tggcaactnt tttggtaaaa cagcttttca ttagcactct ccaggttctc tgcaacactt 1680
cacagaggcg agactggctg tatcctttgc tgtcggtctt tagtacgatc aagttgcaat 1740
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ggaagcctta gttatagtat attaagccta taattatact ctgatttgat gggatttttg 2460
acatttacac ttgtcaaaat gcaggggttt ttttttggtg cagatgatta aacagtcttc 2520
cctatttggt gcaatgaagt atagcagata aaatggggga ggggtaaatt atcaccttca 2580
agaaaattac atgtttttat atatatttgg aattgttaaa ttggttttgc tgaaacattt 2640
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2731

<210> 1942
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 1942
ctggagtaag gtgctgcgga cgacgcgncc tgggaggata aggatgaatt tttagatgtg 60
atctactggt tccgacagat cattgctgtg gtcctgggtg tcatttgggg agttttgcca 120
ttacgagggt tcttgggaat agcagggtaa gtcttgggta tcttatattt tcatggtatc 180
atttcttttt aaatagaggc tttttttcct gttacaggaa aggccattgc tgctctggna 240
gctgtgtgtg tgtgtratga ctaaagcaaa gaagcagccc tacagtggca ctcctgggtc 300
tggtgcacca ctcctcagga gcatctcara ttctgcctga tcaatgcagg agtcctgtac 360
ctctacttca gcaattacct acagattgat gaggaagawt atggtggcac gtgggagctc 420
acgarggaag ggtttatgac cyctttgcc ttgttcaggt cattggatca tcttttacac 480
tgccatccat tagnactgat ggtgtacagc tcccaatgct ccctatccag tccaaaggac 540
cctcttggat tacagcacag gaacttggat cgttggggaa cccagcccct tgggaacttg 600
gaagacccgt gtttccggga ccgcgaatca gtgtgttggg gcatcagtgt tttctgacaa 660
gggttgtgac ctggaaactt tttaaaaacc acccaccttt gggggaagca tttctggaat 720
tatccatcac caaccattct tcttgggat 749

<210> 1943
<211> 1222
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1219)
<223> n equals a,t,g, or c

<400> 1943
ggccccctttggctctgtag agccggcgga accgggtagc ttggccaggt tgtgaggaac 60
cgcagcgcgc cgcaggaccg ggccgctgag cctgcagccg ccccgcgccg tgacctgcga 120
ccctagaccc cgactccctt tggctcagcc cgcgcgcccc aggcccggcc cgggcggcgc 180
gacgggagga tgagcggcgg gcggcggaag gaggagccgc ctcagccgca gctggccaac 240
ggggccctca aagtctccgt ctggagtaag gtgctgcgga gcgacgcggc ctgggaggat 300
aaggatgaat ttttagatgt gatctactgg ttccgacaga tcattgctgt ggtcctgggt 360
gtcatttggg gagttttgcc attacgaggg ttcttgggaa tagcaggatt ctgcctgatc 420
aatgcaggag tcctgtacct ctacttcagc aattacctac agattgatga ggaagaatat 480
ggtggcacgt gggagctcac gaaggaaggg tttatgacct cttttgcctt gttcatggtc 540
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tccctatcca gtccaaagga ccctcttgat tacagcacag gaacttgatc gttggggaac 660
cccagccccc tggaacttgg aagacccgtg tttcctggac cgcgaatcag tgtgttgggc 720
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aagcatttct gaatttatcc atcaccaacc atttcttctt ggataccatc aagtaacagc 840
tattatttgc caagtggagc tgtcatttaa tttgatgcac ctctggattc agatgaaaca 900
ttaaattgtc ttcctcgatt ctccatcggg tgtagagttt ttaaactatc aatggcattt 960
caagtcttct gaaacagcat ggctgtatgt gcgtggtcca tagcacagta catgcagcat 1020
ctaataagag tttccattgt agaatgtttt cacatacttg aataaatcaa atctttaatt 1080
gagaaaaaaa aaaaaaaaar rccggccgct ctagagggat cccaagctta cgtacgcgtg 1140
ccatgccaac ggcataagct tcttttatag ggggcaccta aantcnaatt cactgggccg 1200
cgtttttaca acggcnngna ct 1222

<210> 1944
<211> 2786
<212> DNA
<213> Homo sapiens

<400> 1944
ggtggtcggc ggcggcggcg gcggcggcgg cggcacagag ccggtggtgg agccgccgag 60
gagggtcacg cagcacaatg ccagctctgc ccctggacca actccagatc acccacaagg 120
acccgaagac aggaaagctg aggacttcac cagcgctgca ccccgagcag aaggcagacc 180
ggtattttgt gttatacaaa ccgcccccta aagacaacat tcccgcccta gtggaggagt 240
acctggaacg cgccaccttc gtagccaatg acctcgactg gctcctggcc ttgcctcacg 300
ataaattctg gtgccaggtg atctttgacg agactctaca gaagtgcctg gactcctacc 360
tgcgctatgt cccccgcaaa ttcgacgagg gggtggcctc agcccctgag gttgttgaca 420
tgcagaagcg cctccatcga agtgtttttc tcaccttcct ccgcatgtcc actcacaagg 480
aatccaaaga tcacttcatt tccccttctg cgtttggaga aatcctctac aataacttcc 540
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tgctccagaa gatgatagga aacatctttа cacagcagcc aagttactac agtgacctgg 660
atgaaaccct gcctaccatc cttcaggtct tcagcaatat cctccagcac tgtggtttgc 720
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cactttgggc ctttctggat atcttccctt tggcttgcca gaccttccag aagcacgact 900
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agaagaggag gcttgaagat agcaagcttc ttggtgacct gtggcagagg ctctcccatt 1020
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cgccccaaac ctcgggccac aagacaccac ttccccttta ccctggacag caggaaacct 2700
gtatattcaa aaacacaaaa agtcctgcta ataaaatttt tgacccttc aaaaaaaaaa 2760
aaaaaaaaaa aaaaaaaaaa aaaaa 2786

<210> 1945
<211> 1483
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1478)
<223> n equals a,t,g, or c

<400> 1945
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aacgctttat gaatactcgc cgcttttcta catcgcggtg gtctttacct gcttcatcgt 120
gaccaccggc ctggtattgg gatggtttgg ttgggatgtt ccagtaattc tgagaaattc 180
agaagagacc cagttcagca caagagtttt caaaaagcaa atgagacaag tcaagaatcc 240
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aacagattgc cttgaagata gcctccttac atgctactgg gggtgcagtg ttcaaaaatt 360
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agaagaaata tattgccagt taccaagaga tactaaaatt gaagactttg gtacagtacc 540
cagatctcgc tatccattgg tagcgctatt gaccttagct gatgaggatg accgggaaat 600
ttatgatatt atttccatgg tgtcagtgat tcatattcct gataggactt ataaactatc 660
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cagaaattga tgatcttgga attcatcata acatggaatc tacagtactg accatcaatg 1140
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gaaaaatcat tctgaaaggc aatccattga aaatttgagg aggttaaatt cttaagatca 1380
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aaagtaattg tgtgttcccc taatttatac aaanggantt ggg 1483

<210> 1946
<211> 1587
<212> DNA
<213> Homo sapiens

<400> 1946
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gaggatggtg agggagagaa tggaagaaca gagggggcgg acgtataaga catttgacac 120
tgcctatgtc tgatttctct ttctttcttt ctttctttct ttctttcttt ctttctttct 180
ttcctttctt tctttcttgc aagctgtgat cggatgcaat ctttgtggga catttaaatg 240
gaagggttca ttgatgtgta ttgcttgcca agccaaaatg ttgcctttgg ggaaaaggga 300
gagaggtgtt catggagtgc agggaaagga ggttttgggg cagagatttt gacttaaaat 360
aaccagactt cttctggctg ctgaaaagag gcaaaagttt taaattgtca agtttaaaac 420
tatgttcagt tatgatttgc cacttctgaa tattattttg gatttcccct ttcatgctta 480
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<210> 1947
<211> 2007
<212> DNA
<213> Homo sapiens

<400> 1947
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ttaaaaaaaa aaaaaaaaaa actcgag 2007

<210> 1948
<211> 1250
<212> DNA
<213> Homo sapiens

<400> 1948
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<210> 1949
<211> 2154
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2152)
<223> n equals a,t,g, or c

<400> 1949
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ccctctggtg ccaagatggc tgctgcattc caggcatcac atccagactc agacccagag 240
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<210> 1950
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (599)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (630)
<223> n equals a,t,g, or c

<400> 1950
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<210> 1951
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 1951
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tggcccccaa aagattgcag ccaaatgtgg tctcatcctt gcctgcccca aaggattcaa 180
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actgccctcc atcatccccc cagagagggt gattctgaag cccagcytgg gccaaytccc 420
acagagccaa cccctcccta cagttcangc ctgaagaata tancgggga 469

<210> 1952
<211> 755
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (648)
<223> n equals a,t,g, or c

<400> 1952
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<210> 1953
<211> 1022
<212> DNA
<213> Homo sapiens

<400> 1953
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aa 1022

<210> 1954
<211> 1776
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<400> 1954
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aaaaaaaaaa aaaaaaaaaa aaaaaagggc ggccgc 1776

<210> 1955
<211> 1129
<212> DNA

<213> Homo sapiens

<400> 1955
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<210> 1956
<211> 279
<212> DNA
<213> Homo sapiens

<400> 1956
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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 1720
<212> DNA

<213> Homo sapiens

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<211> 2854
<212> DNA
<213> Homo sapiens

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<212> DNA
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gaagaaacca ctgtgtaaaa atcaaatttt aattttgaat ggaataattt caaagaacta 3420
tgaagatgat ttgaagctct aatttatata gtcacctata aaatgttctt tatatgtgtt 3480
cataagtaaa ttttatattg attaagttaa acttttgaat tgatttgagg agcagtaaaa 3540

tgaaagctat atctattcta aaccttattt agacattggt accagttacc caggtgaaaa 3600
tatggagtaa ctttgttttg tatggtaagg tttaggaatg gtggatgaag ggtatctcta 3660
tataaataaa gtgctcaaca atgtgcaatg attgtaaatt tagtaagata ttacagccat 3720
ttcatgaatg ctttaccatt caacatagta tctattacaa aacacctttc ttgtatccat 3780
atacttcagg tgttgctgtt aacatttact atgatattta ttttaaccaa aatgttactc 3840
acattaaatg tttattcttt aaaatgaatg tattatgttt ttaacccaca aatgcatact 3900
taccctgtgc ctcatatttc aatagtactg taatatggac atcttttgtg aaatactttt 3960
attttgttat gctttaaata tacatacaaa aagatttctg ttattagctt tgaaaattgt 4020
ataatatcct aatataaaca aaaatataaa aataaaaatg aatacagtaa aaaaaaaaaa 4080
aaaaaaa 4087

<210> 1963
<211> 801
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (660)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (744)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (762)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (773)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (791)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (801)
<223> n equals a,t,g, or c

<400> 1963
cgggggtcat cttcttcctg gccctgctgc tgtgcattgc gcttctktcg tcctactcca 60
tccacctcct gctgacctgt gctggtattg cagggactgg ttcttgaagg gaaacctcct 120
catcatcatc gtcagtgtgt taatcatcct gcccctcgcc ctcatgaaac acttgggcta 180
cctggggtac accagtggtc tctctctgac ctgcatgctg tttttccttg tttcggtcat 240

ctacaagaag ttccaacttg gctgtgctat aggccacaat gaaacagcaa tggagagtga 300
agctctcgtg ggactcccca gccaaggact caacagcagc tgtgaggccc agatgttcac 360
agttgactca cagatgtcct acacagtgcc cattatggct tttgcttttg tctgccaccc 420
tgaggtgctg cccatctata cggagctctg ccgttccacg acctctacac ctcaggccct 480
ccaagcgcag gatgcaggcc gtggccaacg tgtccattgg ggccatgttc tgcatgtatg 540
ggctcacagc aacctttgga tacctcacct tctacagcag tgtgaaggcg gagatgctgc 600
acatgtacag ccagaaggac ccgctcatcc tctgtgtgcg cctggccgtg ctgcttcgcn 660
ggtgacccct cactgtgcca gtcgtgctgg ttcctatccg ccgggccctg gaagcaactg 720
cttttcccag gcaagggcct ttancttggc cacgacattg tnggccatta gcntttgaat 780
ccttgctttg ntttgggtca n 801

<210> 1964
<211> 1626
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1607)
<223> n equals a,t,g, or c

<400> 1964
cggacgcgtg ggcggacgcg tgggaaaagg tgaacaaatc tttccttcag gtagatgctg 60
gatagtcttt ggagcttgta gtagggtccc atgagcactg cccacagctg ctttctgtac 120
catctgaggt catctcatcc ttaagagaac ttttaggacc agacaggaat gctcatctct 180
ctgtgcccag tagttctctg ggggtggcct gaggctgact tgtctgtagt cactgagttc 240
atttactttt attttctagg ccttatgatg ggaaatggag taaaacaatg gtgggatttg 300
ggcctgagga tgatcatttt gtcgcagaac tgacttacaa ttatggcgtc ggagactaca 360
agcttggcaa tgactttatg ggaatcacgc tcgcttctag ccaggctgtc agcaacgcca 420
ggaagctgga gtggccactg acggaagttg cagaaggtgt ttttgaaacc gaggccccgg 480
gaggatataa gttctatttg cagaatcgca gtctgcctca gtcagatcct gtattaaaag 540
taactctagc agtgtctgat cttcaaaagt ccttgaacta ctggtgtaat ctactgggaa 600
tgaaaattta tgaaaaagat gaagaaaagc aaagggcttt gctgggctat gctgataacc 660
aggtgagcaa tcttggagaa gaataacctg ttactttgaa tttggcttgt aaacgaagct 720
tataaatggc ttataacctt tataaatgaa gttaacatga aggttgttcc catagtttct 780
tcacagtgat tcaatattta tatagataaa cagaagaaaa taagtgataa ccttaccacc 840
cagatattac cttgtttata tttggggata tatctcttca gaagtggaat tgcttaatcc 900
aagagattga atggatttaa tgcaagatct ttttcatctt ctttttctaa taacccagcg 960
tttgagcacg atttagtcct tgcactttga ccctgcaatt ctactcctag gaattatttt 1020
acagatgtgc tcaacataca tcggcacaaa gaagtgtgtg caaggktatc tgctgcagca 1080
ttgtctgtaa tcacaatgtg taagaatttc agtgtcctat agattagaga catatttcag 1140
taatttacgg ctcattcatg gaatggatta ctatgtcgct agcaaaaaga ttgaggcaaa 1200
tctttatgta ttgacatggt aacattaagt ggagaaaaac aaggaacaga ataatttgta 1260
aattatacca ccatttgtgt aaaaaaaaaa acatagatgc gtgcagtgct tctagaagga 1320
tacacaggaa actgtggact agttgtctct ggggtgagag taggrtagag actcagtttt 1380
tactttattc ctttagtata taatatttga atttttctac cacatacgtg taatgaatgt 1440
ataacctgtc caaaaaataa ccccctttcc ytttcagtgt agstggagct acagggcgtc 1500
aagggtgggg tggaccatgc agcagctttt ggaagaattg ccttctcttg cccccagaaa 1560
gaggtaacgc ttgataccag atcgtttgag ctttctgact agctagntca acccagctaa 1620
gaactt 1626

<210> 1965
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 1965
tccgcaccgg gactcgggac tcccgggaag tggaccggca gaagaggggg ctagctagct 60
gtctctgcgg accagggaga cccccgcgcc cccccggtgt gaggcggcct cacagggccg 120
ggtgggctgg cgagccgacg cggcggcgga ggaggctgtg aggagtgtgt ggaacaggac 180
ccgggacaga ggaaccatgg ctccgcagaa cctgagcacc ttttgcctgt tgctgctata 240
cctcatcggg gcggtgattg ccggacgaga tttctataag atcttggggg tgcctcgaag 300
tgcctctata aaggatatta aaaaggccta taggaaacta gccctgcagc ttcatcccga 360
ccggaaccct gatgatccac aagcccagga gaaattccag gatctgggtg ctgcttatga 420
ggttcttgtc agatantgag aaacggaaac agtacgatac ttatggtgaa naaggattaa 480
aagatggtca tcagagctcc atggagacat tttttacact tctttgggga tttgggttat 540
gttggangaa ccctgtngaa gacagaattt ccagaggaat gtntattgaa 590

<210> 1966
<211> 1970
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1964)
<223> n equals a,t,g, or c

<400> 1966
nggtgaaggg caatcagctg ttgccgtctc actggtgaaa agaaaaacca ccctggcgcc 60
caatacgcaa accgcctctc nccgcgcgtt ggccgattca ttaatgcagc tggcacgaca 120
ggtttcccga ctggaaagcg ggcagtgagc gcaacgcaat taatgtgagt tagctcactc 180
attaggcacc ccaggcttta cactttatgc ttccggctcg tatgttgtgt ggaattgtga 240
gcggataaca atttcacaca ggaaacagct atgaccatga ttacgccaag ctctaatacg 300
actcactata gggaaagctg gtacgcctgc aggtaccggt ccggaattcc cgggtcgacc 360
cacgcgtccg actagttcta gatcgcgatc tagaactagt ccccacgcgt ccgcttgaag 420
cacaggtgag ggatcctggc ccacagcctc agccccactc tgctctccca caggtgccaa 480
gaggagtgcc ccttcgggtc cttcggcttc cagtgctcac agcgctgtga ctgccacaat 540
gggggggcagt gttcacccac cacgggtgcc tgcgagtgtg agcctggcta caagggccca 600
cgctgccagg agcgactgtg cccggagggc ctgcatggcc caggctgcac cctgccctgc 660
ccctgtgacg ctgacaacac catcagctgc cacccagtaa ctggagcttg tacctgccag 720
ccaggctggt ctggtcacca ctgcaatgaa tcctgccctg ttggctacta tggcgatggc 780
tgccagctgc cttgcacctg tcagaatggc gccgactgcc acagcatcac tgggggctgc 840
acttgtgctc cgggcttcat gggagaggtc tgtgccgttt cctgtgcagc agggacctat 900
ggccccaact gctcgtccat ctgtagctgt aacaatggtg gcacctgctc cccagtagat 960
ggctcctgta cctgcaagga agggtggcag ggcctggact gcaccctgcc atgtcccagt 1020
gggacgtggg gcctgaactg caacgagagc tgcacctgtg ccaatggggc agcctgcagc 1080
cccatagacg gctcctgctc ctgcactcct ggctggctgg gagacacctg tgagctgcct 1140
tgcccggatg gcacatttgg gctgaactgc agtgaacact gtgactgcag ccatgctgat 1200
ggatgtgacc ccgtcacagg ccactgctgc tgcctggccg gatggacagg catccgctgt 1260
gacagcacgt gtccacctgg ccgctggggc cccaactgct ctgtctcctg cagctgtgag 1320
aatggaggct cctgctcccc agaggatggg agctgcgagt gtgcccctgg cttccgagga 1380
cccttatgcc agagaatctg ccccccctggg ttctatggcc acggctgcgc ccagccatgc 1440
cccctctgcg tgcacagcag caggccctgc caccacatca gcggcatctg tgagtgcctc 1500
ccaggattct ctggagctct ctgcaaccaa gctagcaagt ggcagaaaca aattctgatt 1560
ccgacatgca tgctgaaggg atgaaaagtg aaacaagcac agagatctgc atcagaagtg 1620
gcaccatgtg gtctgtgccg agtgccaagg gtaaaggcag agaatgctgt gggagtgcag 1680
aggagctggc tctggctgga gatggcaact tccaagccct tctccccgtc atattcaggc 1740
caccatccct aatccctccc catatgcttt cctgacttga cctcagaatc cttcacaata 1800
ccgactccaa gaactgctac cactcagcag gagttgaaaa gagatataaa gcttatttgc 1860
attggtgttc caccctacca gctctttgtg ggggaaaaac cctgatctgt aacatctgca 1920
gatttttaaa atataaatat tcctaccaaa aaaaaaaaaa aaanaaaaaa 1970

<210> 1967
<211> 1222
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1219)
<223> n equals a,t,g, or c

<400> 1967
gcctgggttc ccascggctt csccagaggt ggaagaaacc cgaracgttc cgaagtcaac 60
gcaagcaaag gggagtgcgg gtcggggagg aatattcttt tggaaacgta atattggcct 120
tggggctctc cagccctttg ggacttccaa tgggatctta gaagcagccg aagcagcgtg 180
agggcggcas ccagggccag ccacgatttg aacgctctgc cttgcagctc ttctggaccg 240
aggagcccaa agccctaccc tcaccattca ccaggtcctg tgggaagagc agcgtggagr 300
tgggctgagg ttagaaggtg cagagcgtgg aagaagattg tgagctgagt attggacatc 360
tgttcttgaa tagtccctgg gcctgccata ggaaaggaag ttctccaggg ttacagttct 420
tatccgcgtg aatacacatg gctctgttac gaaaaattaa tcaggtgctg ctgttccttc 480
tgatcgtgac cctctgtgtg attctgtata agaaagttca taaggggact gtgcccaaga 540
atgacgcaga tgatgaatcc gagactcctg aagaactgga agaagagatt cctgtggtga 600
tttgtgctgc agcagggagg atgggtgcca ctatggctgc catcaatagc atctacagca 660
acactgacgc caacatcttg ttctatgtag tgggactccg gaatactctg actcgaatac 720
gaaaatggat tgaacattcc aaactgagag aaataaactt taaaatcgtg gaattcaacc 780
cgatggtcct caaagggaag atcagaccag actcatcgag gcctgaattg ctccagcctc 840
tgaactttgt tcgattttat ctccctctac ttatccacca acacgaagaa agtcatctat 900
ttggacgatg atgtaattgt acaaggtgat atccaagaac tgtatgacac caccttggcc 960
ctgggccacg cggcggcttt ctcagatgac tgcgatttgc cctctgctca ggacataaac 1020
agactcgtgg gacttcagaa cacatatatg ggctatctgg actaccggaa gaaggccatc 1080
aaggaccttg gcatcagccc cagcacctgc tctttcaatc ctggtgtgat tgttgcaaca 1140
tgacagaatg gaagcaccar cgcatcacca agcaattgga gaaaggatgc aaaagaanng 1200
gaggaaaacc tttttgcang tt 1222

<210> 1968
<211> 1438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1424)
<223> n equals a,t,g, or c

<400> 1968
ncccggnctt naggaattcg gcacgagaaa aaagaaaaga aaagaaaaga aaaaaaaagg 60
tgctcaacat tactgatcat cagagaaatg caaatcaaaa ctccagtgag atatcatctc 120
cctttagtta aaatggctta tatccaaaag gcagaaaata acaaatgcaa ggatgtggag 180
gaaagggaac ccttgtatac tgttggtgta catagtggtt gaaccactat ggagaacaat 240
ttggaagttc ctcaaaaaaa caaaaaatag agctaccata tgacccagca atcccactgt 300
tgggtatata cccaaaagga aggaaatcag tatattgaag agatacctac actcccatgt 360
ttgttgcagc actgttcaca atagctaaga tttgaaggca acctaagtgt ccatcaacag 420
atgaatggat acagaaaatg tggtacgtat acacaatggg tactagtcag cctgggtgac 480
agagtgagac tgtctcaaaa aaaaagaaac aaagaaagat aaataaagaa aaagacattg 540
atgaacagta ggtaatcacc tgaaggtaca aaactcactc gtaatagtaa gtatgcaggg 600
aaaaaaagat ttttgtaaca ttgtaactat gtgtgtaatc tactcttatc ctaagtagaa 660
atctagactt agaatctaat gctgccactg atctgacagg aggcggaact cagacagtaa 720
tgttcccttg cctgctactc acctcctgct gtgtggccca gtttctaaca ggccacagac 780
tggtactggt ttgcggcctg ggggttgggg acccctgggt tatcagatag aattgcaagc 840
ctcatggtaa cctcaaacca aaaaacattc aatgaataca caacaaataa aaagcaagaa 900
agtaaattat atcaccagag aaaatcagct tcacttaagg aagacaggaa ggaaagaagg 960
aaggaagaga agaccacaaa acaaccagaa aacaagtaac aatatggcag gaataagtct 1020
ttatttatta gtaataacaa tggactaaac tctccaatca aaagatggag tggctaaata 1080
gataaaaaaa aacaagaccc attgattygy mgcctacaag aactacattt cacctataaa 1140
gacacmcata gactgaaaat aaaggggtat aaaagatact ccatgccaac agaaaccaaa 1200
aaagagcagg agttgctata cttacatcag acaaaacaga ttttaagaca aaaatctata 1260
agaagagaca aagaaggtca ctatataatg ataaggggtc aatgcagcag aggattayaa 1320
tttaatttat gaccacatga gactgattta ngaatatata gagtagaagg taagtatcat 1380

atctggatna tccatgagat gcaattcgcg aatacaagac tngnttttgt gctagata 1438

<210> 1969
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<400> 1969
agctcgtgct aaacctcttt tctttataaa ttacccagtg atgtggtttg gctgtgtccc 60
cacccaaatc tcatcttgaa ttcctacgtg ttgtgggagg gacccagtgg taggtaattg 120
aatcatggcg gcaggtcttt cccttgctat tctcgtgatc atgaataagt ctcatgagat 180
ctgatgattt taaatactgg agtttccccc gcacaagctc tctctttgcc tgctgccagc 240
catgtaagac atgacttgct cctycttgcc ttccatcatg attgtgaggc cttcccagcc 300
acgtggaact gtaagtccat taaacctctt ttttttttata aatggccaag tctcaaatat 360
gnctttatca acagcgtgaa atggactagt accgtaaatt ggtaccaata gaatggggca 420
ctgcttaaaa gatcccgaaa atgtgaaagc gactttggaa ctgggtaata ngcaaaaggt 480
tgcantgaac ttaaaatcat tgccactgna cttcaacctg ggc 523

<210> 1970
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (774)
<223> n equals a,t,g, or c

<400> 1970
nnnnaytagt tttgcanagc tatttaggtg acactataga aggtacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cggaaggctc cagaggctgt gggaagcagc 120
acatcagcga cagctcctgg ctgctggact ccgcagggag ggaaggaaga ttggtcgcaa 180
tgtcccagca gaagtgcatc gtgatctttg ccctggtgtg ctgctttgcc attctggttg 240
cactgatctt ttcagccgtg gacatcatgg gagaggatga ggatggactc tcagaaaaaa 300
attgccaaaa taaatgtcga attgccctgg tggaaaatat tcctgaaggc cttaactatt 360
cagaaaatgc accatttcac ttatcacttt tccaaggctg gatgaattta ctcaacatgg 420
ccaaaaagtc tgttgacata gtgtcttccc attgggatct caaccacact catccatcag 480
catgtcaggg tcaacgtctt tttgaaaagt tgctccagct gacttcgcaa aatattgaaa 540
tcaagctagt gagtgatgta acagctgatt caaaggtatt agaagccttg aaattaaagg 600
gagccgaggt gacgtacatg aacatgaccg cttacaacaa gggccggctg cagtcctcct 660
tctggatcgt ggacaaacag cacgtgtata tcggcagtgc cggtttggac tggcaatccc 720
tgggacaggt acatatactt ctatatagct gtaaatagat gatatggttt gtgnt 775

<210> 1971
<211> 1134
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 1971
gaacaagctg ttactaatgt actggagttt ctgtgcaaac tgtctaccat aaaccatgaa 60
aggattcaaa gttcatagtt ccttcttttgt tcctttgtta atnactgact tcnnactagt 120
gggaggtgcc tcccaagttt gctaatgcat tctttttgga taaggatgac gcacagattg 180
tcctaataag gacttagatt gagaaagacc gccccctctg agaagagggg acaagtcaga 240
gagagggcgg gcagtttctt ttttaactag ggatgacaca agcataagtc atttccttat 300
taattggttc aaaccagttc ttacaggaac tagtggtgat aaatgtggga cttctgagaa 360
gtcattcatt ttattctttg tgccatacca gagtacagta tcagctgagc tgaccttact 420
ctgaggacta actcttttgc tggaagcggt ttctgattta cagctcttgg tttctcccag 480
acatgttggt gggagagatt ttggttttta aggggttgtt agatggagta aattttcttt 540
ttttttttt ttttttttaa ctaaaaaggg gtcacagaat ttcagcagtt ctctgatttt 600
tatattttat tcctcttcct atccaatccc tgccttttga gtccaggtgg taagtacatt 660
ttctttaacg tttttcctgc ttttcttccc aaatgtgtct ttttctttgg gctactgtac 720
cctgcttcca gtgctgtccc cggcataggt ccatctctgc agaagccatt tcaggagtac 780
ctggaggctc aacggcagaa gcttcaccac aaaagcgaaa tgggcacacc acagggagaa 840
aactggttgt cctggatgtt tgaaaagttg gtcgttgtca tggtgtgtta cttcatccta 900
tctatcatta actccatggc acaaagttat gccaaacgaa tccagcagcg gttgaactca 960
gaggagaaaa ctaaataagt agagaaagtt ttaaactgca gaaattggag tggatgggtt 1020
ctgccttaaa ttgggaggac tccaagccgg gaaggaaaat tccctttcc aacctgtatc 1080
aatttttaca actttttttcc tgaaagcagt ttagtccata ctttgcactg acat 1134

<210> 1972
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 1972
gcggnttcgt gggctgctct gcactctcag gtattccctg ctcttactcc aaaaagatgg 60
acccaggtcc gaaggggcac tgccactgtg gggggcatgg ccatcctcca ggtcactgcg 120
ggccaccccc tggccatggc ccagggccct gcgggccacc cccccaccat ggtccagggc 180
cctgcgggcc acccccctggc catggcccag ggccctgcgg gccacccccc caccatggtc 240
cagggccctg cgggcctccc cctggccatg gcccaggtca cccacccccc ggtccacatc 300
actgaggaag tagaagaaaa caggacacaa gatggcaagc ctgagagaat tgcccagctg 360
acctggaatg aggcctaaac cacaatcttc tcttcctaat aaacagcctc ytanaggcca 420
cattctattc tttaaaaaaa aaaaaanaan n 451

<210> 1973
<211> 1385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1385)
<223> n equals a,t,g, or c

<400> 1973
aagagaaaga tgtcactgtc tctaatctcc ctgtcatttt tatttccagc aggcgcgggg 60
cgaaggagct gctagaacaa tgctgaggcg ggtgaggtga ggagcagccc ctcgcggcag 120
ccccgacaga gtgtctggaa caggtgattg gaggagccgg agacccaggc acctgggcat 180
ccttcccctc gcctctgcca ggccccgcgc ccctaaaagg tgggaaaacc atggcgacca 240

atttcagtga catcgtcaag caaggctacg tgaagatgaa gagcaggaag ctcgggatct 300
accggaggtg ctggctggtg ttccggaaat cctccagcaa ggggccccag cggctggaga 360
agtatccaga tgagaagtcg gtgtgcctcc ggggctgccc caaggtgact gagatcagca 420
acgtcaagtg tgttacgcgg ctccccaagg agaccaagcg gcaggcggtg gccatcatat 480
tcactgatga ctcggcacgt accttcacct gcgactcaga gctagaggca gaggagtggt 540
acaagacact atctgtggag tgtctggggt cccgcctcaa cgacatcagt ctgggagaac 600
ctgacctcct ggccccaggg gtgcagtgtg aacagacaga tcgcttcaat gtcttcctgc 660
tgccctgccc caacctggac gtgtatggcg agtgcaagct gcagatcacc cacgagaaca 720
tctacctctg ggacatccac aacccccgtg tgaagctcgt ctcgtggscc ctctgctyam 780
tgcgccgcta tggccgggat gccacacgct ttaccttcga ggctggccgg atgtgtgatg 840
ctggggaagg actctatacc ttccagacac aagaggggga gcagatttac cagcgcgtcc 900
acagtgccac cctggccatc gcagagcagc acaagcgggt cctgctggaa atggagaaga 960
cgtgaggctg ctgaacaagg gcacggaaca ttactcgtat ccctgcacac ccacgaccat 1020
gctgcsgcgc agtgcctact ggcaccacat cactggttcc cagaacatcg ccgaagcctc 1080
cagctatgct ggtgagtcgc ttccatgccc cacacccacc tgccaggagg ctttgtggag 1140
gatgaggcct gttgggcagg ggtcttttga cctagctctg agttctgagc ctgcttctgt 1200
gcccacaggt gacgggtatg gggcaagccc aggccagctc ggaaacagac ctctcaacag 1260
attcatcctg ctaaagccaa agcccagcca gggggacaag cantgangcc aagaccccat 1320
cccagtgaca cagtgctggc gagcaccgat gactggtggn ggctgctgct tgcgggctgg 1380
cntcn 1385

<210> 1974
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<400> 1974
tacgccncca ggccccggtc cggaattccc gggtcgaccc acgcgtccgc tttaaccaga 60
cagctcagac ctgtatggag gctgccagtg acaggttagg tttagggcag agaagaagca 120
agaccatggt ggggaagatg tggcctgtgt tgtggacact ctgtgcagtc agggtgaccg 180
tcgatgccat ctctgtggaa actccgcagg acgttcttcg ggcttcgcag ggaaagagtg 240
tcaccctgcc ctgcacctac cacacttcca cctccagtcg agagggactt attcaatggg 300
ataagctcct cctcactcat acggaaaggg tggtcatctg gccgttttca aacaaaaact 360
acatccatgg tgagctttat aagaatcgcg tcagcatatc caacaatgct gagcagtccg 420
atgcctcatc accattgatc agctgaccat ggctgacaac ggcacctacg agtgttctgt 480
ctcgctgatg tcagacctgg agggcaacac caagtcacgt gtccgcctgt tggtcctcgt 540
gccaccctcc aaaccagaat gcggcatcga gggagagacc ataattggga acaacatcca 600
gctgacctgc caatcaaagg agggctcacc aacccctcca gtacagctgg aaagargtta 660
caacatcctg aatcargagc agcccctggc ccasccacct caggttcaac ctgttctccc 720
ttaaaaaata tctcccacag aacacatc 748

<210> 1975
<211> 771
<212> DNA
<213> Homo sapiens

<400> 1975
ggccacgagg tacgtcccgg cgctccgctt ggcccaagat ggcggcctcc gtgtgcagcg 60
ggttgctggg gccacgggtg ctgtcctgga gccgagagct gccttgcgct tggcgcgccc 120
tgcacacctc cccggtctgc gccaagaacc gggcggcccg agtacgcgta agcaaggggg 180
acaagccggt gacctacgag gaggcacacg cgccgcacta catcgcccac cgtaaaggct 240
ggctgtcgct gcacacaggt aacctggatg gagaggacca tgccgcagag cgaacggtgg 300
aggatgtttt ccttcgcaag ttcatgtggg gtaccttccc aggctgcctg gctgaccagc 360
tggttttaaa gcgccggggt aaccagttgg agatctgtgc cgtggtcctg aggcagttgt 420
ctccacacaa gtactacttc ctcgtgggct acagtgaaac tttgctgtcc tacttttaca 480
aatgtcctgt gcgactccac ctccaaactg tgccctcaaa ggttgtgtat aagtacctct 540
agaacaatcc cctttttcc atcaagctgt agcctgcaga gaatggaaac gtgggaaagg 600
aatggtatgt gggggaaatg catcccctca gaggactgag gcatagtctc tcatctgcta 660
ttgaataaag accttctatc ttgaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaggggggg g 771

<210> 1976
<211> 1712
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1688)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1692)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1697)
<223> n equals a,t,g, or c

<400> 1976
ccgcgcgttg gccgattcat taatcagctg gcacgacagg tttcccgact ggaaagcggg 60
cagtgagcgc aacgcaatta atgtgagtta gctcactcat taggcacccc aggctttaca 120
ctttatgctt ccggctcgta tgttgtgtgg aattgtgagc ggataacaat ttcacacagg 180
aaacagctat gaccatgatt acgccaagct ctaatacgac tcactatagg gaaagctggt 240
acgcctgcag gtaccggtcc ggaattcccg ggtcgaccca cgcgtccggt ccctaggaga 300
taagagtatc ttgcacagca ggtgcaggtt tcccagcagc tcaggcaaga gtccgatgtt 360
tgtgccatct gatcctgatg tctggagaga tagccatgtg tgagcctgaa tttggcaatg 420
acaaggccag ggagccgagc gtgggtggca ggtggcgagt gtcctggtac gaacggtttg 480
tgcagccatg tctggtcgaa ctgctgggct ctgctctctt catcttcatc gggtgcctgt 540
cggtcattga gaatgggacg gacactgggc tgctgcagcc ggccctggcc cacgggctgg 600
ctttggggct cgtgattgcc acgctgggga atatcagtgg tggacacttc aaccctgcgg 660
tgtccctggc agccatgctg atcggaggcc tcaacctggt gatgctcctc ccgtactggg 720
tctcacagct gctcgggggg atgctcgggg ctgccttggc caaggcggtg agtcctgagg 780
agaggttctg gaatgcatct ggggcggcct ttgtgacagt ccaggagcag gggcaggtgg 840
caggggcgtt ggtggcagag atcatcctga cgacgctgct ggccctggct gtatgcatgg 900

gtgccatcaa tgagaagaca aagggccctc tggccccgtt ctccatcggc tttgccgtca 960
ccgtggatat cctggctggg ggccctgtgt ctggaggctg catgaatccc gcccgtgctt 1020
ttggacctgc ggtggtggcc aaccactgga acttccactg gatctactgg ctgggcccac 1080
tcctggctgg cctgcttgtt ggactgctca ttaggtgctt cattggagat gggaagaccc 1140
gcctcatcct gaaggctcag tgaagcagag ctcgtgggat tcctgctgct ccaggtgtcc 1200
tcagctcacc tgtcccagac tgaggacagg ggagttcctg catttcctgc cagggcagag 1260
gcccagagga gcgacccccc gcttccactg cttgggcctg ctttctcaga tagactgact 1320
gctgaggagg ctctaggttc ttggaattcc tttgtgctca tcagagaccc cagcctgggg 1380
aacacgctgc ccgcactgcc cagagagcag tgcaaacacc acaacacgag cgtgtttctt 1440
gagaggaatg tccccgagtt ggacaaggag gctgtttctg cacatcagct catttcccgc 1500
accccatttc ttkcttgatt gctttgttgg gggcctggcc acttccttgc ttctcaagct 1560
gacaattctg cactttgcaa taaatagtcc agtgtttcct tccaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaaangg gnggccnttt taaaggatcc aa 1712

<210> 1977
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<400> 1977
atggtgtgac tcggccgacg cgagcgccgc gcttcgcttc agctgctagc tggcccaagg 60
gaggcgaccg cggagggtgg cgaggggcgg ccaggacccg cagccccggg gccgggccgg 120
tccggaccgc cagggagggc aggtcagtgg gcagatcgcg tccgcgggat tcaatctctg 180
cccgctctga taacagtcct tttccctggc gctcacttcg tgcctggcac ccggctgggc 240
gcctcaagac cgttgtctct tcgatcgctt ctttggactt ggcgaccatt tcagagatgt 300
cttccagaag taccaaagat ttaattaaaa gtaagtgggg atcgaagcct agtaactcca 360
aatccgaaac tacattagaa aaattaaagg gagaaattgc acacttaaag acatcagtgg 420
atgaaatcac aagtgggaaa ggaaagctga ctgataaaga gagacagaga tttttngaga 480
aaattcgagt ccttgagg 498

<210> 1978
<211> 4485
<212> DNA
<213> Homo sapiens

<400> 1978
gtaacttctc gggaagatga ggcagtttgg catctgtggc cgagttgctg ttgccgggtg 60
atagttggag cggagactta gcataatggc agaacctgtt tctccactga agcactttgt 120
gctggctaag aaggcgatta ctgcaatctt tgaccagtta ctggagtttg ttactgaagg 180
atcacatttt gttgaagcaa catataagaa tccggaactt gatcgaatag ccactgaaga 240
tgatctggta gaaatgcaag gatataaaga caagctttcc atcattggtg aggtgctatc 300
tcggagacac atgaaggtgg cattttttgg caggacaagc agtgggaaga gctctgttat 360
caatgcaatg ttgtgggata aagttctccc tagtgggatt ggccatataa ccaattgctt 420
cctaagtgtt gaaggaactg atggagataa agcctatctt atgacagaag gatcagatga 480
aaaaaagagt gtgaagacag ttaatcaact ggcccatgcc cttcacatgg acaaagattt 540

gaaagctggc tgtcttgtac gtgtgtttgg ccaaaagcaa aatgtgccct cttgagagat 600
gacctggtgt tagtagacag tccaggcaca gatgtcacta cagagctgga tagctggatt 660
gataagtttt gcctagatgc tgatgtcttt gttttggtcg caaactctga atcaacacta 720
atgaatacgg aaaaacactt ttttcacaag gtgaatgagc ggctttccaa gcctaatatt 780
ttcattctca ataatcgttg ggatgcctct gcatcagagc cagaatatat ggaagacgta 840
cgcagacagc acatggaaag atgcctgcat ttcttggtgg aggagctcaa agttgtaaat 900
gctttagaag cacrgaatcg tatcttcttt gtttcagcaa aggaagttct tagtgctaga 960
aagcaaaaag cacaggggat gccagaaagt ggtgtggcac ttgctgaagg atttcatgca 1020
agattacagg aatttcagaa ttttgaacaa atctttgagg taggaatttt gtgattgtat 1080
tgcctaatac aaaactcttt ctttggttgg agaaagcata atcttctatt tttatccttt 1140
gtctttgtca ataacttttg ctgttattta gtttagttac tgacacagcc agtaaaatgt 1200
ggaaagtgaa gaaaaggagc ccctgcaaaa tgatttgtaa gaattgagaa ttaaagattg 1260
taatttattc cttattctta tttttatgta ttttatataa ataagaaact gtgtttcaat 1320
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tgtgccgcat gactaataga agtatacaaa acatgattaa tgccatttga caaaatttta 1500
ttatatttat atactgtgtt accacatgtc cattctccat attttgtgcc aaacattcta 1560
aatgaataat tgagtagaaa agagcttcag cgttttcaga aacttctagg aaactattga 1620
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tattcagaga cattaaaact caccctacat ttgactgaat agttctttag atattaacct 1740
tctgaacccc tattttgccc tgtataattc atatcacctt cccacttagg aatgaacaca 1800
gtgacttcag cattgaagaa acctcagtct gtaattattc ttataagtag taactgcttt 1860
aatgtaaagg ggacatgaat gttgagtata cttggcagga tttttaaaat aaaaaatgtg 1920
cttactatct ctcatcttta atttggtgag agaaaaaagg ttattagaca gatgaagaca 1980
aactggaaga aagcaaatcc actgccagct atctcgataa gatctaattg ttcagaggct 2040
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ctcaaagact attgtttgtt ttttttcttt tccttttgct ttcaccaaag ggttgatgct 2160
ctcctcacct ctttttttctc ttaaagaaat gggatctccc tctgttatcc aggctggagt 2220
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cctcagcctc ctctcctcac tgttatcagt tatttcatcc atggggaaaa tatgtaggga 2340
gaggatctat tctacttcct tgtctttatt tactgacctt agtatatatg tgttttatgt 2400
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ctgttacaca tttatactgc ttccatattg gttcatggta tagcttgtgc ttcccaagaa 2520
tatctcgttg aggaggtggg aatgagaaga ataagatatg ctgtagggaa ttggttcata 2580
agcctagctg atcatcagaa tcacatgacg tgctttagag aaccacaggc tcctgaccta 2640
tcctatcccc aaccccagat ccaggggttt ggggttggtc taggaatcta tatacatata 2700
tattcaaagt tccccaagtg attgcaataa tcagacagac ttaggaacta ttctttttaa 2760
atgttttag aggaaacttg gcagtttatg ttttattcta atggtccatt tgggattcta 2820
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tggratgtcc agctttagag tttgaaaatt ttaagtctga aatatctaaa atgagaatca 2940
gttaaaaatt atttgaattt ttccaaacaa tcagctgggc aaaaaatatt atgtctgaat 3000
gtattaaaaa gagacaaaac atttttttgtt aattaattac attgaaagtt ttagtcagct 3060
ttattccaaa actggtattt gttacttctt aagtcagttt tggtaatttc tgatttctta 3120
gaaattggtg tatttctgaa catttataat ttagtagcat aaaattgttt gttttgaatc 3180
tcttgtttct cacttctata tttaaatata aatatatatc tacatataca tacacacaca 3240
gacccttaat gggtttgcca atgatttatc atccaaagac acagccccag ctcttatgta 3300
atttatcact taataaatat cattttgggg gtttcattca ctaagttctt ttttttttt 3360
ttttttttt tgagacagag tctcgctctg tcgccgccag gctggaatga gggagtgagt 3420
gcagcggcgc gatgtcagct cactacaacc tccggctcct gggttcaagg gactcttctg 3480
cctcagcttc cctagtagct gggactacag gggcacacca ctacatccgg ctaatttttg 3540
tatttttagt agagacgggg ttacacagtg ttggccagga tggtctcgat ctcctgacct 3600

catgatccac ccgccttggc ctcccaaagt gctgggacta caggcgtgag ccaccgtgcc 3660
tggcctgtgt tcgtctttaa cattgtttac gttgaagatg cattggtttt tgcttattct 3720
taaagaaaag attcaggatt gtgaatttgt gactgcagct ttaggcgtat cccaaggttt 3780
tcagtactag tttagttttt gttgtttttg tttctaatta tccttttggc atttccttat 3840
caatataaga ctttttaaaa ttcaagtgtt ttgattcatt ttatccaatt tttggttact 3900
aatttcttgg tttctttgtg ttgtggtcac atcatgtggc ttttacacac attttctctg 3960
ttttggggat ttgctacttt tttttgtagt cgtgcaagat tttttgtgaa aagaaaaact 4020
gtatcaagtt catcaccttt atcaatttga cctgtgccgt gaacttcttt agattcattt 4080
gattcaaatg gatctaagta ttttaaacat ttagaatact aatttaagca aggcttgaaa 4140
attaaatgga gtaaaagcaa taaaaaaaat caatattagc ctgggcattg gtggctcatg 4200
ccagtaatgc cagtactttg ggatgccaaa gcaggaagat ctcttgagct taggagattg 4260
agatcaggtt gggcaaaaac atgaaaagac taaatcacat ctctagcagg aaaaaaaaaa 4320
aatccagata tgatagctca tgactatagt cacagctacc ccagaggctg aggtggaagg 4380
ccaagaagtt tgaggctgtg gtgatggtga gctatggagg taccactgtg ctccaacctg 4440
tgtgacagag tgagactctc ttttctttca aaaaaaaaaa aaaaa 4485

<210> 1979
<211> 2486
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2465)
<223> n equals a,t,g, or c

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (724)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (825)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (845)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (848)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (855)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (886)
<223> n equals a,t,g, or c

<400> 1980
ggagcgcaac gcaattaatg tgagttagct cactcattag gcaccccagg ctttacactt 60
tatgcttccg gctcgtatgt tgtgtggaat tgtgagcgga taacaatttc ncacaggaaa 120
cagctatgac catgattacg ccaagctcga aattaaccct cactaaaggg ancaaaagct 180
ggagctccac cgcggtggcg gccgctctag aactagtgga tcccccgkkc tgcaggaatt 240
cggcacgaga ggacataaca gaagcaatag agactaccat tagtcttgaa acagcacgtg 300
cagaccatcc gaagcctgta actgtgaaac cagtaacaac ggaacctcag agtccagatc 360
tgaacgatgc cgtgtccagt ttgcgaagtc ctattcccct cctcctgtcg tgtgcctttg 420

ttcaggtggg gatgtatttc atgtagaagg tggaagaagg ctgctatgac tctttggatg 480
ggagtctggc aagaggaaat tggaagataa aataaataat aagtgaaata aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaact cgaggggggg cccggtaccc aattcgccct atagtgagtc 600
gtattacaat tcactggccg tcgttttaca acgtcgtgac tgggaaaacc ctggcgttac 660
ccaacttaat cgccttgcag cacatccccc tttcgccagc tggcgtaata gcgaagaggc 720
ccgnaccgat cgccttccaa cagttgcgca acctgaatgg cgaatggcaa attgtaaagc 780
gttaatattt tggtaaaatt cgcggtaaat tttggtaaat caagntcatt ttttaaccaa 840
taggnccnaa tcggnaaaat cccttataaa tcaaaaggaa tttganccgg gaatagggtt 900
gaatggttgt tccaa 915

<210> 1981
<211> 1427
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<400> 1981
ggaaaatctt ctgacactat ntaaggnacg cctgcnggta ccggtccgga attcccgggt 60
cgacccacgc gtccggggaa gctcgtggcg ctggtcctgc tgggggtcgg cctgtcctta 120
gtcggggaga tgttcctggc gtttagagaa agggtgaatg cctctcgaga agtggagcca 180
gtagaacctg aaaactgcca ccttattgag gaacttgaaa gtggctctga agatattgat 240
atacttccta gtgggctggc ttttatctcc agtggattaa aatatccagg catgccaaac 300
tttgcgccag atgaaccagg aaaaatcttc ttgatggatc tgaatgaaca aaacccaagg 360
gcacaagcgc tagaaatcag tggtggattt gacaaagaat tatttaatcc acatgggatc 420
agtattttca tcgacaaaga caatactgtg tatctttatg ttgtgaatca tccccacatg 480
aagtccactg tggagatatt taaatttgag gaacaacaac gttctctggt atacctgaaa 540
actataaaac atgaacttct caaaagtgtg aatgacattg tggttcttgg accagaacag 600
ttctatgcca ccagagacca ctattttacc aactccctcc tgtcattttt tgagatgatc 660
ttggatcttc gctggactta tgttcttttc tacagcccaa gggaggttaa agtggtggcc 720
aaaggatttt gtagtgccaa tgggatcaca gtctcagcag accagaagta tgtctatgta 780
gctgatgtag cagctaagaa cattcacata atggaaaaac atgataactg ggatttaact 840
caactgaagg tgatacagtt gggcacctta gtggataacc tgactgtcga tcctgccaca 900
ggagacattt tggcaggatg ccatcctaat cctatgaagc tactgaacta taaccctgag 960
gaccctccag gatcagaagt acttcgcatc cagaatgttt tgtctgagaa gcccagggtg 1020
agcaccgtgt atgccaacaa tggctctgtg cttcagggca cctctgtggc ttctgtgtac 1080
catgggaaaa ttctcatagg caccgtattt cacaaaactc tgtactgtga gctctagact 1140
ctagatagta aaaaaaaaaa aaaaaagtct acatattttg taaaagtaaa ctgataattg 1200

tatgataagt ggcactgtaa gtaaatagca aacaccaacc agtgagtgtg gcttttctta 1260
tggatagaag taaaggagca gacagagatt ccttgatagc catcaaattg caagtcaggt 1320
taatgacagt ccaacaagaa gccaaacttt acggatcttt gttagcagcc ccaatgttct 1380
ttctacaata aaacatgtgg actatgtcca gtgaggtctc cgactca 1427

<210> 1982
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (600)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (626)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (682)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (699)
<223> n equals a,t,g, or c

<400> 1982
tgctgatgca ggccatctcc ctcttctccn cagaccgtcc aggtgtgctg cagcaccgcg 60
tggtggacca gctgcaggag caattcgcca ttactctgaa gtcctacatt gaatgcaatc 120
ggccccagcc tgctcatagg ttcttgttcc tgaagatcat ggctatgctc accgagctcc 180
gcagcatcaa tgctcagcac acccagcggc tgctgcgcat ccaggacata cacccctttg 240
ctacgccccc catgcaggag ttgttcggca tcacaggtag ctgagcggct gcccttgggt 300

gacacctccg agaggcagcc agacccagag ccctctgagc cgccactccc gggccaagac 360
agatggacac tgccaagagc cgacaatgcc ctgctggcct gtctccctag ggaattcctg 420
ctatgacagc tggctagcat tcctcaggaa ggacatgggt gccccccacc cccagttcag 480
tctgtaggga gtgaarccac agactcttac stggagagtg cactgacctg taggtcagga 540
ccatcagaga ggcaaggttg nccttttctt taaaaggccc tgtggtcntg gggagaaatn 600
cctcagatcc cactaaaagt gtcaangtgt tgaaagggac caaagccgac caaaggatag 660
ggcattcctg ggggtctaat gncccaacaa taccccacnt tttgggttcg g 711

<210> 1983
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<400> 1983
aaaasgtmac gcctgacagg tmaccggatc cgggaattcc cgggtcgacc cacggcgtcc 60
gcatttgcaa taacagaaaa ggaattgcat gtatgaagtt ttcaatcgtg ggcttttctt 120
tgttgtgggg agggggtcgg gggatagttt gatttccatt ttctgaaaac gacagacttg 180
gattctgttt gtgtgtgcat attttatcca gccttaagtt ataaagctca tctgtcccgc 240
tgcattccct gtgtattttc aggacatggc tcgtgggtgt gtgtgttcat tgtgtgcgtc 300
tgtatgtatt ttnctgtcat cactgttccc tctcctcccg agtgtgcatt cagttaatat 360
aatcagttgc ttgcntcttt caaagtgctt tgaaagtctg aactcatgtg tgagcatttt 420
atcaactatc ccaattgcag ttctccatca caaatctcct attggccngt acccctgaga 480
atagtttaga gaatggaata agcngtctgg aagatagcta gcg 523

<210> 1984
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 1984
atctactagg agtcagggtg taagcctaga gaggatgaaa gaaggggagg ggatggggag 60
tggtaagaac ctaggatttg aattcccagc ctggccaacc cttgcagcca tgtcttggcc 120
tcaagtggaa caagggctcc ttgaggccag cagggttggg ggagttgggg tgggcctgag 180
cctctttcct gctagagctc ttggtcctcc ctgcctccac cacccatccc tgctctgcag 240
aacccctggg tgctgagtgg caggagcccc agggttgtcc catctgggta tggctggctg 300
ggtcactaac ttctgtgatc tgcttccttc ctttccagat tatgcggatc aaacctcacc 360
aaggccagca cataggagag atgagcttcc tacagcacaa caaatgtgaa tgcagancaa 420
agnaagatag agcaagacaa gaaaatccct gtgggccttn ctca 464

<210> 1985
<211> 1233
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)

<223> n equals a,t,g, or c

<400> 1985
atggaaaaac gccagcaacg cggccttttt acggttcctg gccttttgnt ggccttttgc 60
tcacatgttc tntcctgcgt tatcccctga ttntgtggat aaccgtatta ccgcctttga 120
gtgagctgat accgntcgcc gcagccgaac gaccgagcgc agngagtcag tgagcgagga 180
agcggaagag cgcccaatac gcaaaccgcc tctcccccgc gcgttggccg atttcattaa 240
tgcagctggc acgacaggtt tcccgactgg aaagcgggca gtgagcgcaa cgcaattaat 300
gtgagttagc tcactcatta ggcaccccag gctttacact ttatgcttcc ggctcgtatg 360
ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa acagctatga ccatgattac 420
gccaagctcg aaattaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtggc 480
ggccgctcta gaactagtgg atcccccggg ctgcaggaat tcggcacgag catggttgtt 540
gcaaaacttt cttctatttc ttctcctcct ggtattctca ttactctgtt tcaccttgtg 600
tagttgtccc acagtcttgg atatcatctt ctgttctttt cagtgtttct tttctttagt 660
tttcgaagtt tctgatgata aatcctcaag ctcagagatt ctttactcag ctgagtccag 720
tctactaata agccatcaga ggtattcttc agttatttaa cacatttttt accactacat 780
tatgttgaag tttcttacga tgtctgtctt tctgattaca ttacccatct acacttgaat 840
gctgtctact tcattcatta gacccttagc atattctcca gaggtttaaa aaaatttcca 900
aaatcataac tttgtctgct tctgaagctt gctctgttga cacaaattgt atttttttct 960
ttttttggat tttagtatgc cttgcaattt tttcccttta ttctcatgca tgaagcaccc 1020
cactaaargt gactgytgtt agtatagctt tartaatgcg gtgatgargt gacagggcag 1080
gtgatgctct cttagtctct ttargctact ataacaaaat actttagact gagccsaata 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaac tcgaggggggg 1200
gcccgaccca attcgcccta ctacgtgcgt cga 1233

<210> 1986
<211> 1583
<212> DNA
<213> Homo sapiens

<400> 1986
ctgctggctc acctccgagc cacctctgct gcgcaccgca gcctcggacc tacagcccag 60
gatactttgg gacttgccgg cgctcagaaa cgcgcccaga cggcccctcc acctttttgtt 120
tgcctagggt cgccgagagc gcccggaggg aaccgcctgg ccttcgggga ccaccaattt 180
tgtctggaac caccctcccg gcgtatccta ctccctgtgc cgcgaggcca tcgcttcact 240
ggaggggtcg atttgtgtgt agtttggtga caagatttgc attcacctgg cccaaaccct 300
ttttgtctct ttgggtgacc ggaaaactcc acctcaagtt ttcttttgtg gggctgcccc 360
ccaagtgtcg tttgttttac tgtagggtct cccgcccggc gcccccagtg ttttctgagg 420
gcggaaatgg ccaattcggg cctgcagttg ctgggcttct ccatggccct gctgggctgg 480
gtgggtctgg tggcctgcac cgccatcccg cagtggcaga tgagctccta tgcgggtgac 540
aacatcatca cggcccaggc catgtacaag gggctgtgga tggactgcgt cacgcagagc 600
acggggatga tgagctgcaa aatgtacgac tcggtgctcg ccctgtccgc ggccttgcag 660
gccactcgag ccctaatggt ggtctccctg gtgctgggct tcctggccat gtttgtggcc 720
acgatgggca tgaagtgcac gcgctgtggg ggagacgaca aagtgaagaa ggcccgtata 780
gccatgggtg gaggcataat tttcatcgtg gcaggtcttg ccgccttggt agcttgctcc 840
tggtatggcc atcagattgt cacagacttt tataaccctt tgatccctac caacattaag 900
tatgagtttg gccctgccat ctttattggc tgggcagggt ctgccctagt catcctggga 960
ggtgcactgc tctcctgttc ctgtcctggg aatgagagca aggctgggta ccgtgcaccc 1020
cgctcttacc ctaagtccaa ctcttccaag gagtatgtgt gacctgggat ctccttgccc 1080
cagcctgaca ggctatggga gtgtctagat gcctgaaagg gcctggggct gagctcagcc 1140
tgtgggcagg gtgccggaca aaggcctcct ggtcactctg tccctgcact ccatgtatag 1200

tcctcttggg ttgggggtgg gggggtgccg ttggtgggag agacaaaaag agggagagtg 1260
tgctttttgt acagtaataa aaaataagta ttgggaagca ggctttttc ccttcagggc 1320
ctctgctttc ctcccgtcca gatccttgca gggagcttgg aaccttagtg cacctacttc 1380
agttcagaac acttagcacc ccactgactc cactgacaat tgactaaaag atgcaggtgc 1440
tcgtatctcg acattcattc ccacccccct cttatttaaa tagctaccaa agtactttct 1500
ttttaataaa aaaataaaga tttttattag gtaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaa 1583

<210> 1987
<211> 521
<212> DNA
<213> Homo sapiens

<400> 1987
tgaaaaccat ccgtctgcca cgctggctgg cccccagccc ccaacctcca tcctgcagga 60
gggtccgaag tgcttttcct ctaaccagat tctgtcttct ctccagcagc ctcgcccacc 120
aaggagatcc aggttaaaaa gtacaagtgt ggcctcatca agccctgccc agccaactac 180
tttgcgttta aaatctgcag tggggccgcc aacgtcgtgg gccctactat gtgctttgaa 240
gaccgcatga tcatgagtcc tgtgaaaaac aatgtgggca gaggcctaaa catcgccctg 300
gtgaatggaa ccacgggagc tgtgctggga cagaaggcat ttgacatgta ctctggagat 360
gttatgcacc tagtgaaatt ccttaaagaa attccggggg gtgcactggt gctggtggcc 420
tcctacgacg atccagggac caaaatgaac gatgaaagca ggaaactctt ctctgacttg 480
gggagttcct acgcaaaaca actgggcttc gggacagtgg g 521

<210> 1988
<211> 346
<212> DNA
<213> Homo sapiens

<400> 1988
gcttgagtcc agatcttgta ctcctctcat atttcttctg aaacatttaa aagtgtacat 60
tggttgtcaa atgtcaaaca ttacttactt catacttttt tcctccaatc tttatttcac 120
agttgttcag gggatgaagg aagctcagga aaggctgacg ggtgatgcct tcagaaagaa 180
acatcttgaa gatgaattgt aacatgaatg tgccccttct ttcatcagar ttagtgttct 240
ggaaggaaag cagcagggaa agggaatatt gaggaatcmt ctagaacaat taagccgamc 300
aggaaactca tycctaccta cctggaaaga mgtccccccc cccccc 346

<210> 1989
<211> 952
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (944)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (945)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (947)
<223> n equals a,t,g, or c

<400> 1989
ggcacgaggc cctcgcggcc tggccccgcc gcgcccggcg cgcccgccgc ccgggggggat 60
gtcttacaaa ccgaacttgg ccgcgcacat gcccgccgcc gccctcaacg ccgctgggag 120
tgtccactcg ccttccacca gcatggcaac gtcttcacag taccgccagc tgctcagtga 180
ctacgggcca ccgtccctag gctacaccca gggaactggg aacagccagg tgccccaaag 240
caaatacgcg gagctgctgg ccatcattga agagctgggg aaggagatca gacccacgta 300
cgcagggagc aagagtgcca tggagaggct gaagcgcggc atcattcacg ctagaggact 360
ggttcgggag tgcttggcag aaacggaacg gaatgccaga tcctagctgc cttgttggtt 420
ttgaaggatt tccatctttt tacaagatga gaagttacag ttcatctccc ctgttcagat 480
gaaaccccttg ttttcaaaat ggttacagtt tcgtttttcc tcccatggtt cacttggctc 540
tgaacctaca gtctcaaaga ttgagaaaag attttgcagt taattaggat ttgcatttta 600
agtagttagg aactgcccag gtttttttttg ttttttaagc attgatttaa aagatgcacg 660
gaaagttatc ttacagcaaa ctgtagtttg cctccaagac accattgtct ccctttaatc 720
ttctcttttg tatacatttg ttacccatgg tgttctttgt tccttttcat aagctaatac 780
cactgtaggg attttgtttt gaacgcatat tgacagcacg ctttacttag tagccggttc 840
ccatttgcca tacaatgtag gttctgctta atgtaacttc ttttttgctt aagcatttgc 900
atgactatta gtgcttcwwa gtcaattggg ccrkgcactt tttnntnaga gg 952

<210> 1990
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (357)
<223> n equals a,t,g, or c

<400> 1990
atnanccctc actaaaggga acaaaagcng ggngctccac cgcggtgtcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagt attgggacag gtggctttgc 120
aaaggtcaaa cttgcctgcc atatccttac tggagagatg gtagctataa aaatcatgga 180
taaaaacaca ctagggagtg atttgccccg gatcaaaacg gagattgagg ccttgaagaa 240
cctgagacat cagcatatat gtcaactcta ccatgtgcta gagacagcca acaaaatatt 300
catggttctt gagtactgcc ctggaggaga gctgtttgac tatataattt cccaggntcg 360
cctgtcagaa gaggagaccc gggttgtctt ccgtcagata gtatctgctg ttgcttatgt 420
gcacagccag ggctatgctc acagggacct caagccagaa aatttgctgt ttgatgaata 480
tcataaatta aagctgattg actttggtct ctgtgcaaaa cccaagggta acaaggatta 540
ccatctacag acatgctgtg ggagtctggc ttatgcagca cctgagttaa tacaaggcaa 600
atcata 606

<210> 1991
<211> 1097
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (905)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (916)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (940)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1031)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1056)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1080)
<223> n equals a,t,g, or c

<400> 1991
tcgacccacg cgtccggtgc agtacgagct gtgggccgcg ctgcctggcg cctccggggt 60
cgccctggcc tgctgcttcg tggcggcggc cgtggccctg cgctggtccg ggcgccggac 120
ggcggtggcg cggtggtccg ggcgcgacag aggcagcgag cgggcctgga gaacatggac 180
agggcggcgc accttccggc tccagaaccc agacctggac tcagaggcgc tgctagccct 240
gcccctgcct cagctggtgc agaagttaca cagtagagag ctggcccctg aggccgtgct 300
mttcacctat gtgggaaagg cctgggaagt gaacaaaggg accaactgtg tgacctccta 360
tctggctgac tgtgagactc agctgtctca ggccccaagg cagggcctgc tctatggcgt 420
ccctgtgagc ctcaaggagt gcttcaccta caagggccag gactccacgc tgggcttgag 480
cctgaatgaa ggggtgccgg cggagtgcga cagcgtagtg gtgcatgtgc tgaagctgca 540
gggtgccgtg cccttcgtgc acaccaatgt tccacagtcc atgttcagct atgactgcag 600
taacccccctc tttggccaga ccgtgaaccc atggaagtcc tccaaaagcc caggggytc 660
ctcaggggggt gaaggggccc tcatcgggtc tggaggytyc cccctgggyt taggcactga 720
tatcggaggc agcatccgyt tcccctcctc cttctgcggc atctgcggcc tcaagcccac 780
agggaacccg mctcaatgcg tctctccgtg ggccccatgg cccgggacgt ggaaaagcct 840
ggcacttgtg cctgcgaacc ctgcttgtgc caaggacatg tttccgcttg gacccaatgt 900
gcctnccttg cccttnaaga agaggtctac accaagtttn aacccctgcg tgtggggtac 960
tatgagaatt gacaactata ccatgccttc ccggcatgaa gcggccctgc ttggaaacaa 1020
acagagctta ngttggggga cacctgcaag ctgcanttct aaaacataag ctgtcggtgn 1080
aattggaatt gaacaat 1097

<210> 1992
<211> 903
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (745)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (801)
<223> n equals a,t,g, or c

<400> 1992
ncnaaattaa ccctcactaa agggaacaaa agctggagct ccaccgcggt gncgtccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gaggcacctt cttcaagatg 120
gagctttttg aaggcatgcg agagagcacc aagatttcat ctctgttggc agaattggag 180
gcaattcaaa gaaattcagc atcccaaaag agtgtcattg tctctcagtg gaccaacatg 240
ctgaaagttg tagcattgca cctgaagaag catggactga cttatgccac catcgatggc 300
tctgtcaatc ccaagcagag aatggacttg gtagaggcat ttaaccactc cagaggccct 360
caggtaatgc taatctctct cttggccgga gtgttggtct aaacctgact ggaggaaatc 420
acctctttct tttggacatg cactggaatc catcacttga agatcaagct tgtgaccgaa 480
tttaccgagt agggcagcag aaagatgttg tcatacacag rtttgtttgt gagggaacag 540
tagaagaaaa gatcttacag ctccaagaaa aaaagraaga tttggccaaa caagttctat 600
cagggtctgg agaatctgtc accaagctca ccttggctga cctcagagtc ctttttggca 660
tctaacctcc tgtggataag ggctcagaat agcaccattg ctgtgatgtt gcacctgtaa 720
ccatcttttt atgggtggag caganagtca atccctgcag ccaccctgca gccagccatc 780
tctgcagttc tctcagtgca ngcagttctt cctctcaggc tgaagatcaa ggagatgctt 840
tgtwcatgaa cagatgctga rtatctgtta tcattgtatt gtttartgtc agtgtatcat 900
tta 903

<210> 1993
<211> 2999
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2996)
<223> n equals a,t,g, or c

<400> 1993
tttttttta ttttttggtt tagcatttaa taggcacata atcaacattt actgttcaat 60
tgaaacaaaa ttaaaattgg gcgctgtctc tatctttatt tgtgatcggc cctaactgca 120
ctggcaatct tttccgtttt tttgtttttct gttttccatt cgcatgcccc ttagcgtacc 180
tggggctccg gctcctttac aaatgaaacc caaagtgctc cgaagcacag ccagcgaaag 240
ganaaactct gaaacggaca agatggctgc cacctcttcg cgcctcttag tcccacccac 300
tcagggcgga ggtctgcgtc atgtgaccct ccccttcttg gctccgctcc taccgcagtg 360
cttgacggga ggcggacggg gaacgaggcc gtcggcattt tgtgtctgct tcctgtggga 420
cgtggtggta gccgttgggt tgggaaagtg agggattttt ggcctcgttt ctcctgcttc 480
ttttctcctc ccttttactt tgccggtaga acacagttat gggtcgcaag aagaagaagc 540
agctgaagcc gtggtgctgg tattgtaata gagattttga tgatgagaag atccttattc 600
agcaccaaaa agcaaagcat tttaaatgcc atatatgtca caagaaattg tatacaggac 660
ctggcttagc tattcattgc atgcaggtac ataaagaaac aatagatgcc gtaccaaatg 720

caatacctgg aagaacagac atagagttgg aaatatatgg tatggaaggt attccagaaa 780
aagacatgga tgaaagacga cgacttcttg aacagaaaac acaagaaagt caaaaaaaga 840
agcaacaaga tgattctgat gaatatgatg atgacgactc tgcagcctca acttcatttc 900
agccacagcc tgttcaacct cagcaaggtt atattcctcc aatggcacag ccaggactgc 960
caccagtacc aggagcacca ggaatgcctc caggcatacc tccattaatg ccaggtgttc 1020
ctcctctgat gccaggaatg ccaccagtta tgccaggcat gccacctgga ttgcatcatc 1080
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<210> 1994
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (332)
<223> n equals a,t,g, or c

<400> 1994
gcacaccgcg ctyagcgcct tcactgccat ccccgctgtc cttgccgccc ccgccatggg 60
cctagagctg tttcttgacc tggtgtccca gcccagccgc gccgtctaca tcttcgccaa 120
gaagaatggc atccccttag agctgcgcac cgtggatttg gtcaaaggtg ggcccagccc 180
gtttccccgc gtgtccacaa acccagtgca mccccaggcc cccgcctgct ctgccctgag 240
cgtctcgccg ccgcacagcc cctcacctcc tcctgcagcg tctgccacca gagaatgctg 300
tggactgagt ggcttggagg gatcacagnc tntctgaa 338

<210> 1995
<211> 2346
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2344)
<223> n equals a,t,g, or c

<400> 1995
ggtgccgtct gcctcccagg tgcgcgcttc gctcccggag ccgcggaact cggcggccgc 60
catggcgtcc aacatggacc gggagatgat cctggcggat tttcaggcat gtactggcat 120
tgaaaacatt gacgaagcta ttacattgct tgaacaaaat aattgggact tagtggcagc 180
tatcaatggt gtaataccac aggaaaatgg cattctacaa agtgaatatg gaggtgagac 240
cataccagga cctgcattta atccagcaag tcatccagct tcagctccta cttcctcttc 300
ttcttcagcg tttcgacctg taatgccatc caggcagatt gtagaaaggc aacctcggat 360
gctggacttc agggttgaat acagagacag aaatgttgat gtggtacttg aagacacctg 420
tactgttgga gagattaaac agattctaga aaatgaactt cagatacctg tgtccaaaat 480
gctgttaaaa ggctggaaga cgggagatgt ggaagacagt acggtcctaa aatctctaca 540
cttgccaaaa aacaacagtc tttatgtcct tacaccagat ttgccaccac cttcatcatc 600
tagtcatgct ggtgccctgc aggagtcatt aaatcaaaac ttcatgctga tcatcaccca 660
ccgagaagtc cagcgggagt acaacctgaa cttctcagga agcagtacta ttcaagaggt 720
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gccaacttct gctacagacg actcaatgtg tcttgctgaa tcagggctct cttatccctg 840
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tcaagaaacc cttttccttg aagcaaaaga gtaaacacgg cccagcggtg gaaccagcca 2040
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agagaattac aactctggca cccttcccta cccctgcact tnacccttct tcaatgacga 2280
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tttncc 2346

<210> 1996
<211> 2021
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<400> 1996
gcccacgcgt ncgcccacgc gtccggcaag aggctgggaa gccatcactt accttgcact 60
gagaaagaag acaaaggcca gtatgcacag ctttcctcca ctgctgctgc tgctgttctg 120
gggtgtggtg tctcacagct tcccagcgac tctagaaaca caagagcaag atgtggactt 180
agtccagaaa tacctggaaa aatactacaa cctgaagaat gatgggaggc aagttgaaaa 240
gcggagaaat agtggcccag tggttgaaaa attgaagcaa atgcaggaat tctttgggct 300
gaaagtgact gggaaaccag atgctgaaac cctgaaggtg atgaagcagc ccagatgtgg 360
agtgcctgat gtggctcagt ttgtcctcac tgaggggaac cctcgctggg agcaaacaca 420
tctgacctac aggattgaaa attacacgcc agatttgcca agagcagatg tggaccatgc 480
cattgagaaa gccttccaac tctggagtaa tgtcacacct ctgacattca ccaaggtctc 540
tgagggtcaa gcagacatca tgatatcttt tgtcagggga gatcatcggg acaactctcc 600
ttttgatgga cctggaggaa atcttgctca tgcttttcaa ccaggcccag gtattggagg 660
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tggatttttc tatttctttc atggaacaag acaatacaaa tttgatccta aaacgaagag 1440
aattttgact ctccagaaag ctaatagctg gttcaactgc aggaaaaatt gaacattact 1500
aatttgaatg gaaaacacat ggtgtgagtc caaagraggt gttttcctga agaactgtct 1560
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cagtgacaaa catatccttt caagacagaa agagacagga gacatgagtc tttgccggag 1860
gaaaagcagc tcaagaacac atgtgcagtc actggtgtca ccctggatag gcaagggata 1920
actcttctaa cacaaaataa gtgttttatg tttggaataa agtcaacctt gtttctactg 1980
ttttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2021

<210> 1997
<211> 1955
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 1997
ccggcttccc aggcagaaga gtcganaaaa gctgtctttn tctcacgtca cccagcncag 60
gctcattaag ttcttcancc tcttcccaat cattttcnca atgagcaaat tgactaagag 120
aagcaaaggt ttcttggggt tattaaccag tagtgtggaa atactagttt tatgtggcca 180

aggaaaagca aaggcttttc ttttcagttt gtgttatttg gaagacagaa aaacatcttg 240
tctacatcct ttggctgttt gtaggatcac gttgtcctta cgatactgaa actttacagc 300
tgctgtaaat tttttataaa tgaatttcaa aatgttataa tgggactgta ggttgttttt 360
ctacatcttc attatttgga cctaaaacca gtttttaata agaaagttta tctttactct 420
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gtgtaaatag atttgttaac tgaaatatac tttaagaaag ataaaatctg taaataaact 1920
gatttataaa ttaaaaaaaa aaaaaaaaaa aaaaa 1955

<210> 1998
<211> 1158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<400> 1998
aaaaggaacg tggaatctgg ggaagaagag ctggcgtcca agctggacca ctacaaagcc 60
aaggccacgc ggcacatctt cctcatcagg cattcccagt accacgtgga tggctccctg 120
gagaaggacc gcactctgac cccgctgggt cgggagcagg ctgaactcac tgggctccgc 180
tggcaagctt ggggttgaaa gtttaataaa atcgtccatt cgtctatgag cgcgccatag 240
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gcagatgcca ggcaggagga ggacagttac gagatcttca tctgtcacgc caacgtcatc 480
cgctacatcg tgtgcagagc actgcagttt cctcctgaag gctggctccg gctctccctc 540

aataatggca gcatcaccca cctggtgatc cgacccaacg gccgagttgc gctcaggacc 600
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aaaaaaaaaa aaagtttt 1158

<210> 1999
<211> 1127
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1090)
<223> n equals a,t,g, or c

<400> 1999
tgtcacagac tacttcatca gtcgcttatc tggagctggg accaaggttt ctgccaggcc 60
ttgggatcag ctcttggggg tcagagcagc cttcccacat cctctggcac tgctgaactt 120
ttgcagcagc tctttcctcc tctyttggat gcccttcgag agcccaggtt acgacggatt 180
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ttgctctggt tcctgggcag agctcagcag tacttggcag catgggaccc agcttccttc 300
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ctggcctcag aggaaagctt asctctggaa tggagcagca gctgggcctg gagatccaga 420
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tcccagtgct cctagtgagt atgctggttt agtggtccgy accgtactgg agcctgtgtt 660
gcaaggattg caagggttgc cacctcaagc ccaggcccct gcccttggtc aggctctgac 720
ggccatcgtg ggtgcctggc ttgaccacat tcttacccat gggattcggt tcaggtcagg 780
agtaaaggtg gaagtggcag ggggtgaatg gaactgggaa aaggaagggg ataagtggga 840
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gctgtgtctg ttgcagmagc ccytgcccaa gttcaagtcc acaggaggcc ccctgttgct 1080
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<210> 2000
<211> 478
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<400> 2000
aagaaggagc tcagccacta tctccccacc gagccagctc agcgggcagg gctgggaggg 60
agtgggacag attctgggag tscagcgagg aggagtcccg gctggsctga gcgcagggag 120
ctgcttggma gtgccagagc ccaggcccca gagccctgct ggagaggagg cagactgagg 180
cagcaggccc cgccagcagg cgaagaggng agatgtcaga ctgctacacg gagctggaga 240
aggcagtcat tgtcctggtg gaaaacttct acaaatatgt gtctaagtac agcctggtca 300
agaacaagat cagcaagagc agcttccgcg agatgctcca gaaagagctg aaccacatgc 360
tgtcgcattg ctgaccctgc ttcctcccca ggacacaggg aaccggaagg ctgcggataa 420
gctcatccag aacctggatg ccaatcatga tgggcgcatc agcttcgatg agtactgg 478

<210> 2001
<211> 1261
<212> DNA
<213> Homo sapiens

<400> 2001
cccacgcgtc cgcccacgcg tccggagctc tccccggtct gacagccact ccagaggcca 60
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cagtccaatt tcaagaatat gtctttctcc aatttctggg cttagataag gcgccttcac 180
cccagaagtt ccaacctgtg ccttatatct tgaagaaaat tttccaggat cgcgaggcag 240
cagcgaccac tggggtctcc cgagacttat gctacgtaaa ggagctgggc gtccgcggga 300
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cttcctcctg cctgcagaag ctcctctact ttaacctgtc tgccatcaaa gaaagggaac 420
agttgacatt ggcccagctg ggcctggact tggggcccaa ttcttactat aacctgggac 480
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<210> 2002
<211> 1531
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<212> DNA
<213> Homo sapiens

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<222> (2018)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2044)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2332)
<223> n equals a,t,g, or c

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<212> DNA
<213> Homo sapiens

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<210> 2005
<211> 1916
<212> DNA
<213> Homo sapiens

<400> 2005
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<210> 2006
<211> 1073
<212> DNA
<213> Homo sapiens

<400> 2006
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<210> 2007
<211> 3711
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

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aagtggacag agcgcccaga gccgtcgtat tgcaaggggg agatggaggg gagggtcagg 3600
gcgccggagt agccgcggta ccctgagcgg taggagcggg gctgtcccct ttatctaggc 3660
cctcagggac aggcacgccc agaatggccg atctcagcat cacatagtcg c 3711

<210> 2008
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (434)
<223> n equals a,t,g, or c

<400> 2008
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tgggcacctg ggtccgcaag gccgccatga ccagtctgat ggatctgaca cttctgctgg 120
ctcggagcca gcctgagctg atcgaggccc atacctgtga gcgcatcatg tgctgtgtgg 180
cccagcaggc cagtgagaag attgaccgtt tccgtgctca cgccgccagc gtgttcctga 240
cgctcctgca ctttgacagc cctcccatcc cccacgtgcc ccaccgagga gaactggaaa 300
agctgtttcc caggtccgat gtggcctccg tgaactggag tgcamcttcc caggcyttcc 360
cacgcataac castccttgg gtkgccacyt acggtwacam gtcctggtgg gggtagtcgt 420
gtccttggcg gttnaggatg acgatccgga ttcaccaagc ttttataa 468

<210> 2009
<211> 839
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 2009
gagatggggn tccaaaagcc ccacagcact gccaatattc ctggagctca ctgccggagt 60
tctagcattt gttttcaaag actggatcaa agaccagctg tatttcttta taancaacaa 120
catcagagca tatcgggatg acattgattt gcaaaacctc atagacttca cccaggaata 180
ttggcagtgc tgtggggctt ttggagctga tgattggaac ctaaatattt acttcaattg 240
cacagattcc aatgcaagtc gagagcgatg tggcgttcca ttctcctgct gcactaaaga 300
tcccgcagaa gatgtcatca acactgagtg tggctatgga tgccaggcaa aaaccagaag 360
ttgaccagca gattgtaayc tacacgaaag gcygtgtgcc ccagtttgag aagtggttgc 420
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gatatgccct ggcccagaat tkggttagcg atatcgaagc tgtcagggcg agctggtaga 540
ccccctgcaa ccgstgctgc aagacactgg acagacccag ctttcgggac cctcccgcgt 600
gccgaactga tcttcgagct gcatggacct aatcacagat gcagcctgca gtctcgccta 660
atggagctgc cattagggga gtgtaaaact gggaaatgct gctcactgac agaattaaaa 720
aaaaaaataa ccagtatgaa agtcgttgcg ccgtgaatct ctactgtagc catgaattta 780
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<210> 2010
<211> 813
<212> DNA
<213> Homo sapiens

<400> 2010
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acacgccttc atgaagggcg ttttcacctt cgtcacaggc accggcatgg cctttggctt 180
gcagatgttc attcagagga agtttccata ccctttgcag tggagcctcc tagtggccgt 240
ggttgcaggc tctgtggtca gctacggggt gacgagagtg gagtcggaga aatgcaacaa 300
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atgggacacg gggtcgaagg ggcctgtaca ctctgtcatt tccttttctag cccctgcatc 720
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ttctctccaa aaaaaaaaaa aaaaaawaaa aaa 813

<210> 2011
<211> 994
<212> DNA
<213> Homo sapiens

<400> 2011
aaaggcgaaa ggccccattt attgttgctc ttttacgccc cagcttacct taggctcggt 60
gttgtttgga tttgaacgaa caattcccca gaaacgtatg ccatattcga ttaatcgatc 120
gtatagggat ttgccctgag ccaagatcgc caaggaggag atcttcgggc cagtgatgca 180
gatcctgaag ttcaagacca tagaggaggt tgttgggaga gccaacaatt ccacgtacgg 240
gctggccgca gctgtcttca caaaggattt ggacaaggcc aattacctgt cccaggccct 300
ccaggcgggc actgtgtggg tcaactgcta tgatgtgttt ggagcccagt cacccttgg 360
tggctacaag atgtcgggga gtggccggga gttgggcgag tacgggctgc aggcatacac 420
tgaagtgaaa actgtcacag tcaaagtgcc tcagaagaac tcataagaat catgcaagct 480
tcctccctca gccattgatg gaaagttcag caagatcagc aacaaaacca agaaaaatga 540
tccttgcgtg ctgaatatct gaaaagagaa atttttccta caaaatctct tgggtcaaga 600
aagttctaga atttgaattg ataaacatgg tgggttggct gagggtaaga gtatatgagg 660
aacctttaa acgacaacaa tactgctagc tttcaggatg atttttaaaa aatagattca 720
aatgtgttat cctctctctg aaacgcttcc tataactcga gtttataggg gaagaaaaag 780
ctattgttta caattatatc accattaagg caactgctac accctgcttt gtattctggg 840
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<210> 2012
<211> 1770
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (674)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (694)
<223> n equals a,t,g, or c

<400> 2012
gnatgaacac caactggcca gcctcggtgc aggtcagcgt caatgccacg ccgctcacca 60
tcgagcgtgg cgacaacaag acctcgcaca agccactcta cctgaagcat gtgtgccagc 120
caggccgcaa caccatccag atcaccgtca ccgcctgctg ctgctcccac ctcttcgtgc 180
tgcagctagt gcaccgccca tccgtccgct cggtgctgca gggcctcctc aaaaagcgcc 240
tcctgcctgc tgagcactgc atcaccaaga taaagcggaa cttcagcagc ggcaccatcc 300
ctggcacccc tgggcccaac ggagaggacg gggtggagca gacagctatc aaggtgtccc 360
tgaagtgccc catcaccttc cgcaggatcc agctccctgc ccgaggtcat gactgtcgcc 420
acatacagtg ctttgacctg gagtcgtacc tgcagctcaa ctgtgagcgg gggacttgga 480
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tgggcatcct gatttacatt cagaactctg actatgagga gatcaccatc gaccccacgt 600
gcagctggaa gccagtgccc gtgaagcctg acatgcacat caaggaggag ccggatgggc 660
cagcactkaa gcgntkccgm accgtgagcc ccgnccacgt gctyatgccc agcgtgatgg 720
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tccctccccc agcgtcccgg cagtccttgg gccaagcgag cttaggacct acgggtgaac 840
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gctctggcag cccagccgtg tgtggtgtca ggttcctctc cccaccccag cttcaagcag 1620
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<210> 2013
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (641)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (686)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (697)
<223> n equals a,t,g, or c

<400> 2013
gctgtgctct gcccttcagn cccctgccag naccccaccc agccccctgg tgcctgctgc 60
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gatgcagaca gcccttgcca tgcctgccac tgtcaggatg gaactgtgac atgctccttg 180
gttgactgcc ctyccacgac ctgtgccagg ccccagagtg gaccaggcca gtgttgcccc 240
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<210> 2014
<211> 2440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2421)
<223> n equals a,t,g, or c

<400> 2014
gattctgtgg aataccggta ttaccgcntt tgagtaactg ataccgctng cgcagccgaa 60
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tccccgcgcg ttggccgatt cattaatgca gtggcacgac aggtttcccg actggaaagc 180
gggcagtgag cgcaacgcaa ttaatgtgag ttagctcact cattaggcac cccaggcttt 240
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<210> 2015
<211> 3302
<212> DNA
<213> Homo sapiens

<400> 2015
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tcctccggag aaataacagc gtcttccgcg ccgcgcatgg agcctcccgg ccgccgcgag 180
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caagcagtcc ctgcaaatgg gacttacgag tttggttatc agatgcactt tatttgtaat 540
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aa 3302

<210> 2016
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 2016
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cgagtcggtg cagaagcctc tggattatta cagagttaac ctgaccggga ccatccagct 180
tctggagatc atgaaggccc acggggtgaa gaacctggtg ttcagcagct cagccactgt 240
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agattggaac gcatcttgg 379

<210> 2017
<211> 2056

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2038)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2054)
<223> n equals a,t,g, or c

<400> 2017
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<210> 2018

<211> 1891
<212> DNA
<213> Homo sapiens

<400> 2018
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<210> 2019
<211> 3557
<212> DNA
<213> Homo sapiens

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<220>
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<222> (2779)

<223> n equals a,t,g, or c

<220>
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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3557)
<223> n equals a,t,g, or c

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<210> 2020
<211> 1599
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

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<210> 2021
<211> 2593
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2348)
<223> n equals a,t,g, or c

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<210> 2022
<211> 1688
<212> DNA
<213> Homo sapiens

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<222> (168)
<223> n equals a,t,g, or c

<220>
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<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (802)
<223> n equals a,t,g, or c

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agactgga 1688

<210> 2023
<211> 2543
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<400> 2023
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tccaagacaa tggcaccggg atcaggaaag aagatctgga tattgtatgt gaaaggttca 300
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atggaaagtg tgcatacaga gcaagttact cagatggaaa actgaaagcc cctcctaaac 480
catgtgctgg caatcaaggg acccagatca cggtggagga ccttttttac aacatagcca 540
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gcaggtattc agtacacaat gcaggcatta gtttctcagt taaaaaacaa ggagagacag 660
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<210> 2024
<211> 504
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2024
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acagtccgat acatacttct gcatgtctat gcgaatacca gtggatgagg aagccttcgt 240
gattgacttc aagcctcgag ccagcatgga tactgtccat cacatgttac tttttggatg 300
caatatgcct tcatccactg gaakttactg gttttgtgat gaaggaacct gtacagataa 360
agccaatgat tctgtatgcc tgggcgagaa atgcttcccc ctacccgggc tccccaaang 420
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<210> 2025
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (752)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (778)
<223> n equals a,t,g, or c

<400> 2025
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gatgcggagt ttgttgatat cgatggaaaa tcgcatctca tcctgtncan ccgctcccan 180
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aatcactacc tggccctggg gagtgactat acattctctc agatatacca gtgggataaa 480
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<210> 2026
<211> 2521
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

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t 2521

<210> 2027
<211> 2357
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2332)
<223> n equals a,t,g, or c

<400> 2027
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acttggctct tgtgagcaaa gactgcagta ccttaaatta aggcctctct ttaaaacata 660
tgtggaagac taggggatcc ttggccacct ggtctcagag aaatcatatg agagtaacag 720
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<210> 2028
<211> 1783
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (1576)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1692)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1694)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1733)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1747)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1772)
<223> n equals a,t,g, or c

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<210> 2029
<211> 4331
<212> DNA
<213> Homo sapiens

<400> 2029
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<210> 2030
<211> 1234
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1058)
<223> n equals a,t,g, or c

<400> 2030
cgccggccgc gcccacgtga ycggtccggg tgcaaacacg cgggtcagct gatccggccc 60
aactgcggcg tcatcccggc tataagcgca cggcctcggc gaccctctcc gacccggccg 120

ccgccgccat gcagccctcc agccttctgc cgctcgccct ctgcctgctg gctgcacccg 180
cctccgcgct cgtcaggatc ccgctgcaca agttcacgtc catccgccgg accatgtcgg 240
aggttggggg ctctgtggag gacctgattg ccaaaggccc cgtctcaaag tactcccagg 300
cggtgccagc cgtgaccgag gggcccattc ccgaggtgct caagaactac atggacgccc 360
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cgggctcctc caacctgtgg gtcccctcca tccactgcaa actgctggac atcgcttgct 480
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ttgacatcca ctatggctcg ggcagcctct ccgggtacct gagccaggac actgtgtcgg 600
tgccctgcca gtcagcgtcg tcagcctctg ccctgggcgg tgtcaaagtg gagaggcagg 660
tctttgggga ggccaccaag cagccaggca tcaccttcat cgcagccaag ttcgatggca 720
tcctgggcat ggcctacccc cgcatctccg tcaacaacgt gctgcccgtc ttcgacaacc 780
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tgccgctgat tcagggcgag tacatgatcc cctgtgagaa ggtgtccacc ctgcccgcga 1140
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tgtcgcaggc cgggaagacc ytctgcctga gcgg 1234

<210> 2031
<211> 1089
<212> DNA
<213> Homo sapiens

<400> 2031
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tcatgtgtga atatgtgctt ttactgtaca tagtgctatt gtgcaatagg tcttatgctg 120
ttttcactca atgtgtgcta agatctagcc ccattgactc ttctagaaat gcagtattgc 180
tttgacctgc catgtggcac tccacaatgt caattgcagt ttacacacat tgcctaaagt 240
gggggacacc tgggtgcccc tgacccctg gcaccggata caggccacga taaacatcct 300
ttcgtgtgtt cccttctgtg cttgtgtggc atgtgtaccc aggatgggcc tataggtcac 360
agaggtcagt ttctctttgg ttttccagat tttctttaga acggtgactg accctcctac 420
ttgaggccgc ccttttctcc ttatccttgc cagcacttgt attgccagac tacctaattt 480
ttgccagtct catgggtaga tagtggtgca gtgctttaac atacattcat ctgatcagca 540
ttaatttggg gaatttttc acttagcctt tctggtttcc cttcctgtgc attgcccatt 600
ttctcatgga gtttcttatc ttttttggtt tattctcagg agttgcttgt acattcttgg 660
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cccagcactt tgggaggccc aggcagaagg atcgctgcag cccaggagtt cgagactagc 780
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aaaaaaaaa 1089

<210> 2032
<211> 983
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (899)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (920)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (923)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (928)
<223> n equals a,t,g, or c

<400> 2032
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tgaacatgga cacaaacaat ggtcaccaag tccctgaaca ggttgtgtga gccccttgag 120
gcgttcatcc agcactgttt cggaggaatc tctatttcaa tctattccta tacattagtt 180
attgaaaaac aacacacaat cgcaaaaaca agttgacctt tttgtgttcc ttgagaccga 240
taatgaaggg ccctcgtgac cggacctcat gccaaacaac tcgttacaaa aagagctagg 300
gtcccagctg cgctgaagct tcntgagacc tctcctcatc tgtgcatgga tgagtggccg 360
actytggagc ccaggctgtt rcttcctrgt ctggtggtga atcctccata gtctgagagt 420
aagatccttg atactggctc agcatggaac atctggcaca cagtatgcac tgaggaaata 480
cttgttggaa taatcagtga atcatagatg aaaacttaac cttggaatta attatgagac 540
tgctcagagg aagagaatgg gagacaaagg acctggtgat tagaccccca agacactggg 600
ctgtctgctt gtgtctcggg tggaacaggc ccagcgagag tctttagggc cagaactcaa 660
gaatttattg agcccttgtt ctaggcactt gggattcacc agtatacaat ggagacaaaa 720
atccctgccc tggagcagct tacattctag catggcaaac aggcagtaaa cagcccattc 780
tggctgctgt attgagaaga gaatgtggtg gacagatata gaagcatgga aacctgatag 840
grctattgca atcactcaga aaagaggcga tggcagcttg gacctgttgg aagcagtana 900
gtgccctact cttcagcttn cangggganga gaaaggacct gaaaggttaa ttttgatcac 960
caatgggcca atgatgtaat cag 983

<210> 2033
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (637)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (675)
<223> n equals a,t,g, or c

<400> 2033
cgggtcgacc cacgcgtccg cccacgcgts cgsccacgcg tccgcggcgc gcggagacgc 60
agcagcggca gcggcagcat gtcggccggc ggagcgtcag tcccgccgcc cccgaacccc 120
gccgtgtcct tcccgccgcc ccgggtcacc ctgcccgccg gccccgacat cctgcggacc 180
tactcgggcg ccttcgtctg cctggagatt ctgttcgggg gtcttgtctg gattttggtt 240
gcctcctcca atgttcctct acctctacta caaggatggg tcatgtttgt gtccgtgaca 300
gcgtttttct tttcgctcct ctttctgggc atgttcctct ctggcatggt ggctcaaatt 360
gatgctaact ggaacttcct ggattttgcc taccatttta cagtatttgt cttctatttt 420
ggagcctttt tattggaagc agcagccaca tccctgcatg atttgcattg caatacaacc 480
ataaccgggc agccactcct gagtgataac cagtataaca taaacgtagc agyctcaatt 540
tttgccttta tgacgacagc ttgttatggt tgcaagtttg ggtctggctt tacgaagatg 600
gcgacccgta acacttctta agaaaactgg cagtcgnatg ttaggtttca ctttgctact 660
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ca 722

<210> 2034
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<400> 2034
gctggcgcgg cggacgggat gaggcgctgc agtctctacg ctttcggtaa cttccgggcc 60
ctggcgtmtc gtctccttac cctggggcta cccttgcccg gtcctactgc ccgcggttaa 120

cccgccgcga gccgcctctc ccctccccgc ccgactcaac cctgccctcc cccgtgcttt 180
gcagacgccg yccgggggcc caggcggctg atgcgtgtgg gcctcgcgct gatcttggtg 240
ggccacgtga acctgctgct gggggccgtg ctgcatggca ccgtcctgcg gcacgtggcc 300
aatccccgcg gcgctgtcac gccggagtac accgtagcca atgtcatctc tgtcggntcg 360
gggctgctga gcgtttccgt gggacttgtg gccctcctgg cgtcaggaac cttcttcgcc 420
ctccactgac tgggtcctgc tggcactagc tctggtgaac ctgctcttgt cgttgcctgc 480
tccctgggcc tncttcttgc tgtgtcactc actggggcca acggtggncc gcggcttatt 540
gntgactggc accca 555

<210> 2035
<211> 1084
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 2035
gccatccctg gctgtggcca aaatcatcat cattgaattc aaccccatgt accccaaana 60
caatgacatc gccctcatga agctgcagtt cccactcact ttctcaggca cagtcaggcc 120
catctgtctg cccttctttg atgaggagct cactccagcc accccactct ggatcattgg 180
atggggcttt acgaagcaga atggagggaa gatgtctgac atactgctgc aggcgtcagt 240
ccaggtcatt gacagcacac ggtgcaatgc agacgatgcg taccaggggg aagtcaccga 300
gaagatgatg tgtgcaggca tcccggaagg gggtgtggac acctgccagg gtgacagtgg 360
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tggctgcggg ggcccgagca ccccaggagt atacaccaag gtctcagcct atctcaactg 480
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tgccctactg ttggtatgac taccgttacc tactgttgtc attgttatta cagctatggc 1020
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aaaa 1084

<210> 2036
<211> 345
<212> DNA
<213> Homo sapiens

<400> 2036
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ggttgttttg atgtaaatta cgtttaaagg tttattttaa aaagtgtgca tattcaacat 120
aaagaaagaa aaaatctaac gaatttaaag tctgctgtaa tcctagcaca cgtgaacaca 180
atattaatat cttggtttat ttatttttctg atgttcgtga gcatatatat atatatatat 240
atatatatat atatatatat atatatatat atatatatat atatatatat atatatataw 300

atcacagtgg cagccccctc tgccctcctg tattctgaat cccaccctta taatatgctt 360
agattttgcc tttctcccag ccgttttgtg agcattgttc gtgtgtacca atttttctc 420
atcctttaaa aaaaaaaaaa aaaaactngg gggggg 456

<210> 2039
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<400> 2039
gggtcgaccc acgcgtccga aaaactgtnn gggagcttga caaaggcatg caggagagac 60
aggagcagcc acagccagga gggagagcct tccccaagca aacaatccag agcagctgtg 120
caaacaacgg tgcataaatg aggcctcctg gaccatgaag cgagtcctga gctgcgtccc 180
ggagcccacg gtggtcatgg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 240
gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 300
agccaaggac agggtggact gcggctaccc ccatgtcacc cccaaggagt gcaacaaccg 360
gggctgctgc tttgactcca ggatccctgg agtgccttgg tgtttcaagc ccctgcagga 420
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gcacccttgc ccggtgtgat tgctgcaggc actgttcatc tcacttttg tccttgktcc 540
ggaagcgctt ttgctgaagt catattggac ctgatgntta acaataangt ccat 594

<210> 2040
<211> 653
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<400> 2040
gcttntacgc ctgcagcnac cggtccggaa ttcccgggtc gacccacgcg tcggcgtccc 60
ggagcccacg gtggtcatgg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 120
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agcacccttg cccggctgtg attgctgcca ggcactgttc atctcagctt ttctgtccct 420
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<210> 2041
<211> 1916
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1766)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1883)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1911)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1912)
<223> n equals a,t,g, or c

<400> 2041
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tcctatgcaa gggaacctac attcctcagt acacgcctgt scctccgaca gctgtttcta 120

ttgarggtgt tgttgctgat acctctcccc agacagtggc accttcatcc caggacacca 180
gtggtcagca gcaacagata gcagtggaca catccaacga acatgcacct gcatattctt 240
accaacagtc taaaccataa acaggactga agaatgtytg tytgaatctt tgccttgaat 300
gaagaaactt cattgaacaa gaagttggct tccagtttgc acagacgtca atggaatgca 360
ttttttgkt gktgktgktg ttttttttt agtgktatac cttacccaat gaaagcaaag 420
tttttatgtg ctgtgcaaat ggtcttcatg tggtctgaca atttattttt gccatcattt 480
ttttaattaa agaaaaaatt tccagaagag gaaaaaaaaa ctacaaaaaa caaaacattg 540
aaggttgata ttttatgtgg aagaacattt gaattgaatt cagaattttt ctgaaggtgt 600
agatactttt ttttttttt ttaacagaaa acctgatgtc aagaggtggg caatagaaat 660
ggaaacaaat tgtcttcctc aataattaag ctactttctc tttttccctt cttgtttaa 720
tctagtgggt tttttatttt atttttttctt agaaatatgt aggtaaggtt tatcttgaat 780
cttaattgcc ttaattttaa ggacgtcaaa ggctctcgag gcaagctgtc aacgtcttgt 840
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<210> 2042
<211> 1595
<212> DNA
<213> Homo sapiens

<400> 2042
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aaaagttacc gagacagaaa acaaatctaa gggaaaggaa tattatggga ttaagctgag 240
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agattcaggg agactgacca ccaagggata gtgtaaaagg acattttctc agttgggtcc 420
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cagacattgg gtcactcact ggtcaccttg ccagtgcatt ttattagaag ggaatctgtt 1500
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gctgttttta atttgaaaaa aaaaaaaaaa aaaat 1595

<210> 2043
<211> 1061
<212> DNA
<213> Homo sapiens

<400> 2043
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cgccccggcc ggcggaccga agaacgcagg aaggggggccg gggggacccg cccccggccg 180
gccgcagcca tgaactccaa cgtggagaac ctacccccgc acatcatccg cctggtgtac 240
aaggaggtga cgacactgac cgcagaccca cccgatggca tcaaggtctt tcccaacgag 300
gaggacctca ccgacctcca ggtcaccatc gagggccctg aggggacccc atatgctgga 360
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tacttcctga ccaagatctt ccacccgaac gtgggcgcca atggcgagat ctgcgtcaac 480
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gccggcgggc ccagcggcag ggccgaagcc ggtcgggccc tggccagtgg cactgaagct 720
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agtcgtatcg a 1061

<210> 2044
<211> 653
<212> DNA
<213> Homo sapiens

<400> 2044
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ggatgaaaga aaagaaactg aacagagacc gtctgcagta tttcactgga aacccctttat 120
tttgagagct ccaggaagcg ccctcacccc agccccactc acccaccctc cttcccacca 180
gcctgctctc cgcagcccac tgtccttggg tttaatgacg tctcttctct gtggaayttc 240
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gccgggactt ggccgagcgg atcctaataa ggggaaaatg gtaaatgcaa acgtcccgtt 360

acaattttac cgccagtgtg ctgtcgttcc ccctccccmt ctccgagtcc tcgtggggac 420
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gctctgagtt ttaagagatc ccttcccttcc tcttcggtga atgcaggtta tttaaacttt 540
gggaaatgta cttttagtct gtcatatcaa ggcatgagtc actgtctttt tttgtgtgaa 600
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<210> 2045
<211> 356
<212> DNA
<213> Homo sapiens

<400> 2045
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tcatcaggtc caagctgaga gagatgcact ggcactaagc aaaagcccat tcattgkcca 120
tttgtattat tcactgcagt ctgcaaacaa tgtctacttg gtaatggaat atcttattgg 180
gggagatgtc aagtctctcc tacatatata tggttatttt gatgaagaga tggctgtgaa 240
atatatttct gaagtagcac tggctctaga ctaccttcac agacatggaa tcatccacag 300
ggacttgaaa ccggacaata tgcttatttc taatgagggt catattaaac tgacgg 356

<210> 2046
<211> 1439
<212> DNA
<213> Homo sapiens

<400> 2046
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ccgagacccc aagtactgag gtgccacctg acccagagcc tggtgtaccc ctgacacccc 120
catcccaaca ccaggaggcc ggtgctgggg acctgtgtgc actttgtggg gaacacctct 180
atgtcctgga acgcctctgt gtcaacggcc atttcttcca ccggagctgc ttccgctgcc 240
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tctactgcct ccagcacctg ccccagacag accacaaarm ggaaggcagc gatagaggcc 360
ctgagagtcc ggagctcccc acaccaagtg agaatagcat gccaccaggc ctctcaactc 420
ccacagcctc gcaggagggg gccggtcctg ttccagatcc cagccagccc acccgtcggc 480
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<210> 2047

<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<400> 2047
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agagaatgat taataaagtg gaaaatatcc aaagagtgta aaataatttg gggagaaagt 120
tgcaaaatgt ggagtttctt tacaacaaat attttcagtc catcagatgt ctacatgttt 180
tatgatctaa aataccagac aatggtctgt gatatcatgg gactaccatt agcccagaaa 240
aggttgcttc tttcatctgc ttgcctaatg accataggct ggtcattact ttctctgaac 300
ttttattttc tcataattct ggttgctata agactcaaga gagaatgcac atgggaaagg 360
attttaaaaa ctgatcaatc tgtaaaatgt catgtattgg aaaagataaa gtaaaattca 420
taccagtatc ctaagtctcc actaaatgat aaaaaccgta cataattatg tctgttgatt 480
cccatagtaa ccatatgaaa cagatattat tcctatctca aatttaggga taaaaaccag 540
taggactgag gacattaagt aaattatcac agctcncsgg gggnnn 586

<210> 2048
<211> 895
<212> DNA
<213> Homo sapiens

<400> 2048
gcctgcaggt accggtccgg aattcccggg tcgacccacg cgtccgcgaa aaatcagttk 60
gcaatataca gtgtgggaac tgtactgtga tcattggcta accaagatgg gtgacagttt 120
atgatttcaa agactcaaag gcggcttgag tcctacaatg tcctactcat aaaaatggaa 180
agcatggcag cctcaggttg ttacagagta ctctactcca aagtaaaagt tattctctga 240
gaaagtgctt actgcctttt ctgttctcta gtttgcttgt ttaaacattt actccacaaa 300
attgctcaaa cttacccatc tttgaatatc tagcctctgg gatgagacag atgatctttc 360
tccgttttca ctttttatag aatacagcta cctacccagg caatatgaag attttatttg 420
tagaacctgc cattttcctt agtgcatttg ctatgacttt gaccggtcca ctgacaacgc 480
aatatgttta tcggagaata tgggaagaaa ctggcaacta cacttttca tctgatagca 540

atatttctga gtgtgaaaaa aacaaaagca gcccaatttt tgcattccag gaggtaagaa 600
attacaatat ccatagtatt taataaaatg ggaatgtata ccgggctttg agtcaaagag 660
gaccgtgaac tcatcatcca ttggtctctc tagggcggcc atcaaagtcc taaatcccaa 720
acctaatggc ctttactggg aactcacctc atttgaagtt tcctgacacc tttcaaatct 780
gcctcttctt cttaaaacac cctcctgctc tgtgacacta gctcttctcc tttctctcgg 840
aaaatttcac cacagtgtca tctcttctgt ggctgtctcc ttgctttgtc ctaaa 895

<210> 2049
<211> 143
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<400> 2049
tttatgatat ggaattcaat acaccccttc agtggtataa agacattcct ggatttcttt 60
aggatagggt cagagttggt ttactatctg gccttcagtt tttaaaaggg gcgattcttt 120
gatatagcan tagcgtcaat ttt 143

<210> 2050
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (574)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<400> 2050
gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgktct gcaggaattc 60
atatgatgcc gcccgtcaac tcgacaagct ttacgtgacg gggctatagc tcagctggga 120
gagcgcttgc atggcatgca agaggtcagc ggttcgatcc cgcttagctc caccaaattt 180

tgcacccagc aaacttggta cgtaaacgca tcgtggggct atagctcagc tgggagagcg 240
cttgcatggc atgcaagagg tcagcggttc gatcccgctt agctccacca aatttccaac 300
cctcgctgca aagsgggggt tttttgtctc tgctttttgc cgcttttgta atacagtcta 360
cgtccgggtt agtgccgcct ggtgaaagca tcattggatg aaaaatcggc aacaggctgg 420
ccccctgttt gcttcgcgat gcgaataaac ttattatttg tgtgcctgaa aaccccgatc 480
agtgagagta gtgtactcat gtttgtggag cataacctga taaaaaatat caagatattc 540
acactagcgt ttacgctcac cgtgtmcggg ggnnnn 576

<210> 2051
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (580)
<223> n equals a,t,g, or c

<400> 2051
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ggcacgagta acaaacctta cctttgttta aggtgctttt tctggctctc tgccattaag 120
atctacattt tccaccctgt ctcctctagg acctgagggt tatctctttg atatgcaaat 180
gccagggaga ttactcacca gaagaagaag aagaaataga gctaattgga aattgagcaa 240
ataaaaaaat cttgtttttt ctcccagaaa cagtgaaaag ctttagccat cctttagata 300
atcttaactt gttccatctg ccagaaacac aatttggatt cagaaattct ttatgaactg 360
tttttgtatt attgtacctg gcacatggct acagttttca aatgaaaact gtgaaatctg 420
cttctgtctg tattttatgt atgtctgtgt atgcatgtat gtgtaatatt tttctacctc 480
tagagactat cctaaaatta acttataaag agctgtattt aattgcctta aagaaaaagc 540
acttatacaa attaagtatt ttttaaacyc ggggggnnnn 580

<210> 2052
<211> 571
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c

<400> 2052
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ctcccagtga ggaactggtc ttctggagac tctgtgtggc atagagtgat tcaaccacct 120
taagaagacc tctggctttc ctggaacaca gatgtcgaga catctcccat ggatttgtga 180
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tgaagcagct gaaaaggggt gccccgggcc cagcagggag caaaatctgg tgatattgct 300
tctgaacatc ccacatgtgc cacacacgtg cacccccca cacacacaca tgcacactca 360
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catgcacact cacatgcaca ctcacatgca cacacagcct ggactctgtt ccccttatgc 480
ccctggnacc acactccatc aaagccattg acctttatat ccccntgtgt cttcagtaag 540
aaggtatatc aggccagacc nccgggggggg n 571

<210> 2053
<211> 807
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 2053
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caactcagta aaatgaactg tgatcaggag aataaggaaa tgttcagtgt attacttggt 180
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aaggaccccc cagtcatact ctatgatgaa gctacttcat cgttagattc gattactgaa 360
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cacagattgt caacagtggt tgatgcagat gaaatcattg tcttggatca gggtaaggta 480
gccgaacgtg gtacccacca tggtttgctt gctaaccctc atagtatcta ttcagaaatg 540

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 753

<210> 2056
<211> 4016
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<400> 2056
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cgcgtccgtt tctgaagcaa tgttaatcct actagccaag catatcactt agtccccact 120
gtgagatgag ggatatgtgc ttaaattgtg aaacaaatat atgagtcagg tatttttcct 180
ttgagtccaa gtggtttatg actttctttc ctgtgttctt tgtatatgtg ggagttttat 240
aatttttttat caagaatgaa aggttggcct gtgttcttac tggtgcaggc tgtcacattt 300
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tgaaaataga tggagtatgc ctgactgaac ctctgtactg ccccacatgc tatacaggtg 1920
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atgataagag agggaaagga tatggggcaa gaacagtctg aaaaagaaag gataaagttc 2040
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<210> 2057
<211> 587
<212> DNA
<213> Homo sapiens

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<220>

<221> misc feature
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<223> n equals a,t,g, or c

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<222> (542)
<223> n equals a,t,g, or c

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<210> 2058
<211> 1063
<212> DNA
<213> Homo sapiens

<400> 2058
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<210> 2059
<211> 2716
<212> DNA
<213> Homo sapiens

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<210> 2060
<211> 2013
<212> DNA

<213> Homo sapiens

<400> 2060
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 2013

<210> 2061
<211> 2595
<212> DNA
<213> Homo sapiens

<220>
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<222> (1009)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2456)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2533)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2535)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2593)
<223> n equals a,t,g, or c

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<210> 2062
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 2062
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ataaaggaaa agtcaatctc ctggtagtac ccctccattc ttaacctctg aagtaacttg 120
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acctccttac acac 554

<210> 2063
<211> 1848

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (969)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1822)
<223> n equals a,t,g, or c

<400> 2063
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tgcgtctaag accagagccc cgcagcccct ggggcccccc ggagccatgg ggtgtcgggg 1320
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gaccgcggtg aggccgcgcc gaccatctct gcactgaagg gccctctggt ggccggcacg 1440
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tctgctctca gcctcctcct cctgcaggat aaagtcatcc ccaaggctcc agctactcta 1560
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tctcccgagg gcgcatccaa gcgggggcca cttgagaagt gaataaatgg ggcggtttcg 1740
gaagcgtcag tgtttccatg ttatggatct ctctgcgttt gaataaagac tatctctgtt 1800
gctcamaaaa aaaaaaaaaa anaaaaaaaa ttgggggggg gcccggta 1848

<210> 2064
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<400> 2064
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gcgtccgccc acgcgtccgc ccacgcgtcc gctgtgtcgt aaaatggggg tcccttactg 120
cattatcaag ggaaaggcaa gactgggacg tctagtccac aggaagacct gcaccactgt 180
cgccttcaca caggtgaact cggaagacaa aggcgctttg gctaagctgg tggaagctat 240
caggaccaat tacaatgaca gatacgatga gatccgccgt cactggggtg gcaatgtcct 300
gggtcctaag tctgtggctc gtatcgccaa gctcgaaaag gcaaaggcta aagaacttgc 360
cactaaactg ggttaaatgt acactgttga gttttctgta cataaaaata attgaaataa 420
tacaaatttt ccttcaaaaa aaaaaaaaaa aaaaaaaaaa aaanggggng nccccgtanc 480
cnattgg 487

<210> 2065
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 2065
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ggaaaagacg cagagaagta aaagatcaaa gtctgattgg caccggctcc cattccggct 180
ccagcctcca atccgacccc catttcggct gcagcctcgg acctagctcc ggccctcggt 240
ctatccggtt gcatcctccc tccctgttcc ggatcttatc ttgcgccasg cctactccag 300
gatcccgtag ccagacctca agccatggct ggtcccttct cccgtctgct gtccgcccgc 360
ccgggactca ggctcctggc tttggccgga gcggggtctc tagccgctgg gtttctgctc 420
cgaccggaac ctgtacgagc tgccagtgaa cgacggaggc tgtatccccc gagcgctgag 480
taaccagaac ttccgaaagc acaacaattg catggccatc acttgancca gcatttatgc 540

aaggtttgga aaagacaaac cattggtttg aagta 575

<210> 2066
<211> 786
<212> DNA
<213> Homo sapiens

<400> 2066
cgacagaagg gtacggctgc cagaagacga cagaagggta cggctgcgag aagacgacag 60
aagggtacgg ctgcgagaag acgacagaag ggggctcttc ctcgtttgcc cctcgtgttc 120
atgggagctc gttttctttt cctctaggca gagaagaggc gatggcggcg atggcatctc 180
tcggcgccct ggcgctgctc ctgctgtcca gcctctcccg ctgctcagcc gaggcctgcc 240
tggagcccca gatcaccccc tcctactaca ccacttctga cgctgtcatt tccactgaga 300
ccgtcttcat tgtggagatc tccctgacat gcaagaacag ggtccagaac atggctctct 360
atgctgacgt cggtggaaaa caattccctg tcactcgagg ccaggatgtg gggcgttatc 420
aggtgtcctg gagcctggac cacaagagcg cccacgcagg cacctatgag gttagattct 480
tcgacgagga gtcctacagc ctcctcagga aggctcagag gaataacgag gacatttcca 540
tcatcccgcc tctgtttaca gtcagcgtgg accatcgggg cacttggaac gggccctggg 600
tgtccactga ggtgctggct gcggcgatcg gccttgtgat ctactacttg gccttcagtg 660
cgaagagcca catccaggcc tgagggcggc accccagccc tgcccttgct tccttcaata 720
aacatcacag gacctgggac tgcacaggaa aaaaaaaaaa aaactcgrgg ggggcccggt 780
acccaa 786

<210> 2067
<211> 2021
<212> DNA
<213> Homo sapiens

<400> 2067
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ccgtcaacat gatccgctgc ggcctggcct gcgagcgctg ccgctggatc ctgcccctgc 180
tcctactcag cgccatcgcc ttcgacatca tcgcgctggc cggccgcggc tggttgcagt 240
ctagcgacca cggccagacg tcctcgctgt ggtggaaatg ctcccaagag ggcggcggca 300
gcgggtccta cgaggagggc tgtcagagcc tcatggagta cgcgtggggt agagcagcgg 360
ctgccatgct cttctgtggc ttcatcatcc tggtgatctg tttcatcctc tccttcttcg 420
ccctctgtgg accccagatg cttgtcttcc tgagagtgat tggaggtctc cttgccttgg 480
ctgctgtgtt ccagatcatc tccctggtaa tttaccccgt gaagtacacc cagaccttca 540
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cagccacgat tatcctgaty ggctgtgcct tcttcttctg ctgcctcccc aactacgaag 660
atgaccttct gggcaatgcc aagcccaggt acttctacac atctgcctaa cttgggaatg 720
aatgtgggag aaaatcgctg ctgctgagat ggactccaga agaagaaact gtttctccag 780
gcgactttga acccattttt tggcagtgtt catattatta aactagtcaa aaatgctaaa 840
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ttaaggaaag caaaatcatt tcctaaatgc atatcatttg tgagaatttc tcattaatat 1260
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ttgcttttct aaatctcagg tttatctggg ctctatcata tagacaggct tctgatagtt 1680
tgcaactgta agcagaaacc tacatatagt taaaatcctg gtctttcttg gtaaacagat 1740
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agcatatata tgatgcatcg gataggtcat tatgattttt taccatttcg acttacataa 1860
tgaaaaccaa ttcattttaa atatcagatt attattttgt aagttgtgga aaaagctaat 1920
tgtagttttc attatgaagt tttcccaata aaccaggtat tctaaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaactcgt a 2021

<210> 2068
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<400> 2068
gggaatcttc atgggatcct acgggacttc tactcaccac tggtgcctga cagcatgaaa 60
tttgagattg gagaggctct ttacttgggc attatttctt ccctgttctc cctgatagct 120
ggaatcatcc tctgcttttc ctgctcatcc cagagaaatc gctccaacta ctacgatgcc 180
taccaagccc aacctcttgc cacaaggagc tctccaaggc ctggtcaacc tcccaaagtc 240
aagagtgagt tcaattccta cancc 265

<210> 2069
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<400> 2069
aaggaaattc ctcccaattn tccaatntcc cnaaagtggc tggggattna caggcgtgag 60
ccaaagntcc cagcctaggc ccttaatctt gctgttattt tccatggact aaaggtctgg 120
tcatctgagc tcacgctggc tcacacagct ctaggggcct gctcctctaa ctcacagtgg 180
gttttgtgag gctctgtggc ccagagcaga cctgcatatc tgagcaaaaa tagcaaaagc 240
ctctctcagc ccactggcct gaatctacac tggaagccaa cttgctggca cccccgctcc 300
ccaacccttc ttgcctgggt aggagaggct aaagatcacc ctaaatttac tcatctctct 360
agtgctgcct cacattgggc ctcagcagct ccccagcacc aattcacagg tcacccctct 420
cttcttgcac tgtccccaaa cttgctgtca attccgagat ctaatctccc cctacgctct 480
gccaggaatt ctttcagacc tcactagcac aagcccggtt gctccttgtc aggagaattt 540
gtagatcatt ctcacttcaa attcctgggg ctgatacttc tctcatcttg caccccaacc 600
tctgtaaata gatttaccgc atttacggct gcattctgta agtgggcatg gtctcctaat 660
ggaggagtgt tcattgtata ataagttatt cacctgagta tgcaataaag atgtggtggc 720
cactctttca tggtggtggc agcagttaaa aaaaaaaaaa aaaaaaaact cgag 774

<210> 2070
<211> 2620
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2599)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (2609)
<223> n equals a,t,g, or c

<400> 2070
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gtatgacggg gctgtacgag ctggtgtggc gggtgctgca cgcgctgctc tgtctgcacc 180
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cggcagtcgg caggaaccgc cgtcaccacc ggcacccgcg cgggggtcg tgcctggcag 360
ccgcacacca ccggatgcgc tggcgcgcgg acggtcgttc cttggagaag ctgcctgtgc 420
atatgggcct ggtgatcacc gaggtggagc aggaacccag cttctcggac atcgcgagcc 480
tcgtggtgtg gtgtatggcc gtgggcatct cctacattag cgtctacgac caccaaggta 540
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aagttttaaa ttgccatttg gcagtgaagg tgctgtctgc cggaagatgg aaaagcagat 720
attgtaagag ctgctcagga cttttgccag tkagtagccc agaagcaaar gagacccaca 780
gatttggatg tagatacgtt agccagttta cttagttcaa atggttgtcc tgatcctgat 840
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taaaggtgga aaactyatta taaatggaaa gaaagtttta tttccttttt tgtttgatgg 1920
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ttaaaataaa catttgaggg aagttaccaa ggcagctttt ttcctcaaaa gtaacctgtt 2040
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gaaaaccctt atcaacaagt gtacaatact tatctaaaac tatacattta gaatggagca 2400
gtttaatact agatctcaga agttttgaaa aatagcaaag aagactggat ttggaaagca 2460
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tatgaaaccc catttatgat tttttaaata cacttgaaat aaaaatgatt aaactaaaaa 2580
aaaaaaaaaa aaaaaattnc tgcggccgnc aagggaattc 2620

<210> 2071
<211> 1476

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<400> 2071
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agtagtaatc attttctagg ggaaaataaa agaataaatc actatactga tattttgata 120
taagcaagca cttacatggt aatcactata tagatccaac ctgtggattt tcttcttatg 180
tccatttaac tagaatatat tattttaggt ataatttaca aatgtcacac ctaataatct 240
tttataatat accntatttc attaaagttt tgttagagaa gtatctacca cagaggagtt 300
tttgtcattg tgtacgttgt gtatttgaac ccaccatgac agaaagtaaa ttttaggaaa 360
tagttatgag attaagggaa aatctataaa aacaaggtta gcatattctc aacacagata 420
ccaccacttt ctttttccca ttatagacat ggtgaatcca cacagcatac ttcatctctg 480
agctttgttg tgattcctca acacattacc ctaaccagcc agcagtaaca gatttcagag 540
taagataaag cagattctgt cttcattgca aaaagttatt ctcaatggaa gaatggcatc 600
tgatctcata attactagtt tatattaata tagtttttt ctccctttt aataaaataa 660
ttacagtcat ccctcagtgt ctgtggggga ttggttccag ttacccctat agataccaaa 720
atctgcagat gctcaagtcc ctgatataaa ctggcatagt agttgcatat aatctatgca 780
catcctcctg tatacattaa gtcatctcta gattatttat aacacttaat acaatgtaaa 840
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tgttatagaa accaaatatt ttactgtttc ttttaaggac taatattgtc aaaaactgct 1320
gttattaact tcacttgagt tgtttaactt ccttctgttt taagattgta attaaaaatt 1380
actattttgt tatatggaat ggttaatttt tacctaataa aaacatagat gaaatacawt 1440
gtaaaaaaaa aaaaagcctc cctccgtgcc gtcgat 1476

<210> 2072
<211> 2224
<212> DNA
<213> Homo sapiens

<400> 2072
cgggtcgacc cacgcgtccg gagctgcccc gaacaaagat ggcgcgggaa gcgtctgtga 60
gggcagactg atccgagcac ccaaaccctc ggcggacagc ggagccagtg gtagccgcac 120
ggccctaaaa ccatggagga gggcggcagc actggcagtg ctggcagtga cagcagcacc 180
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ctcaagacct acccaaactg ttttgtcgca aaagaactga ttgactggct gattgaacac 360
aaagaggctt ctgacagaga gacggcaatt aaactcatgc agaaattagc agaccggggc 420
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tttagaaagg atgacggcac cttcccattg gataatgaag tgaaggcctt tatgagagga 540
cagaggctat atgaaaagct gatgagccct gaaaacacac tcctgcagcc cagggaggag 600

gaaggggtca agtatgagcg caccttcatg gcatctgaat tcctggactg gctggttcag 660
gaaggtgagg ccaccacgag gaaagaggca gagcagcttt gccaccggct tatggagcat 720
ggcatcatcc agcatgtgtc cagcaagcac ccatttgtgg acagcaatct tctctaccag 780
ttcagaatga acttccggcg gaggcgaaga ctgatggagc tgctcaatga aaagtccccc 840
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aaatctacca gctttatgtc aatgtcctgc atgtagacta ccggaccgtg aacaatctga 960
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ttaaaaaatg tcagtgtaga aaacatttgg gaaaccattt tcctacatga tagaactgcc 1260
ttactagatt tctatttgta gctctcattc attgtttttt atcttagttt gcagaaaggt 1320
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cctttcgcca gctggcgtaa tagcgaagag gcccgcaccg atcgcccttc ccaacagttg 2040
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aatttttgtt aaatcagctc atttttaac caataggccg aaatcggcaa aatcccttat 2160
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ctat 2224

<210> 2073
<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (690)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (812)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (814)
<223> n equals a,t,g, or c

<400> 2073
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gccccagccc ctgggtgggg gctgtctcgg caccttcacc tccctgctgc tgctggcgtc 180
kacagccatc ctcaatgcgg ccaggatacc tgttccccca gcctgtggga agccccagca 240
gctgaaccgg gttgtgggcg gcgaggacag cactgacagc gagtggccct ggatcgtgag 300
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tctcgagcgc tccatacagt tctcagagcg ggtcctgccc atctgcctac ctgatgcctc 600
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<210> 2074
<211> 1487
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1487)
<223> n equals a,t,g, or c

<400> 2074
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gggaccgatg atgtggcgac catcagttct gctgcttctg ttgctactga ggcacggggc 180
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gcctggcctg gcctgggaca cctcctctct gccaggaggc aataaaagcc agcgccggga 1440
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa aaaaaan 1487

<210> 2075
<211> 2386
<212> DNA
<213> Homo sapiens

<400> 2075

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ctgtaatgat cgctttctga catccattcc aacaggaata ccagaggatg ctacaactct 180
ctaccttcag aacaaccaaa taaataatgc tgggattcct tcagatttga aaaacttgct 240
gaaagtagaa agaatatacc tataccacaa cagtttagat gaatttccta ccaacctccc 300
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actttcaaaa attccctatc tggaagaatt acatttagat gacaactctg tctctgcagt 420
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<210> 2076
<211> 3893
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<400> 2076
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cacccccaca ttcaattact gaaaagcaat cgggaacttc tggtcactca catccgcaat 180
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<210> 2077
<211> 3233
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3231)
<223> n equals a,t,g, or c

<400> 2077
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<210> 2078
<211> 2981
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2817)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2916)
<223> n equals a,t,g, or c

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<211> 2458
<212> DNA
<213> Homo sapiens

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<211> 2650
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

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<210> 2081
<211> 2302
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (135)
<223> n equals a,t,g, or c

<400> 2081
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<210> 2082
<211> 1958
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (1724)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1843)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1850)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1864)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1875)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1907)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1911)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1936)
<223> n equals a,t,g, or c

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<210> 2083
<211> 1247
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1247)
<223> n equals a,t,g, or c

<400> 2083
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gcctggagac ccaactggcc tggatctgcg tcccgacgta gctggcgccc ccaacaccat 1080
aagccttcac agacgccaga gcagccccgc accaccctcg agcttcacca tggggtgtgg 1140
tgggctttag tttagtccca gaaatggaga aaaaataaaa actcacgttg ttctaatgtg 1200
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg gggnccn 1247

<210> 2084
<211> 2129
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1705)
<223> n equals a,t,g, or c

<400> 2084
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cttcagtgcg gtaggttctt ccatcgctat gacgctgtgg gcttttcttg gtctggagtc 180
tgcgtgtgcg aatactgatg tagtggaaaa cccggaacgt aatgtgccaa tcgcggtact 240
cggcggtacg ttaggtgcgg cggtgattta tatcgtctcc accaacgtga ttgccgggat 300
tgtgccaaat atggagctgg caaattcaac ggcaccattt ggtctggcct tcgcgcagat 360
gttcacgccg gaagtgggta aagtcattat ggcgctgatg gtgatgtcct gctgcggttc 420
gctacttggc tggcagttca ccattgccca ggtgtttaaa tcttcatctg atgaaggcta 480
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cattgtgatt attcagagtg gattggcact gatgaccatt agcccgtcgc taaacagtca 600
gttcaacgtg ctggttaacc tggccgtggc ttccagcgtt tcttcaaggc ggttgaaccg 660
aaatgggatc tgaaaacgga ytggcaaatc atcagtgaaa tcgccacccg tatgggttat 720
ccgatgcact acaacaacac ccaggagatc tgggatgagt tgcgtcatct gtgcccggat 780
ttctacggtg cgacttacga gaaaatgggc gaactgggct tcattcagtg gccttgccgc 840
gatacttcag atgccgatca ggggacttct tatctgttta aagagaagtt tgataccccg 900
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gcaatttcgc tgttagaaaa cgcctcggaa gatctggaga acgactctgc cgtcgatgcc 1920
caaatgctgc ttggtttgat ttacgccaac ggcgtgggca ttaaggccga cgatgacaag 1980
gcaacctggt atttcaaacg cagctctgca atttcccgaa ccggttattc cgagtactgg 2040
gcgggcccgg tacccaattc gccctatagt gagtcgtatt acaattcact ggccgtcgtt 2100
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<210> 2085
<211> 788
<212> DNA
<213> Homo sapiens

<400> 2085
ccacgcgtcc ggcatggtgg tgtgcacctg tattctcagc ctcccaagta gctgggatta 60
cagtcaggca ccaccacacc cggctaattt tgtatttttt tagtagagac agggtttctc 120
catgtcggtc agggtagtcc cgaactcctg acctcaagtg atctgcctgc ctcggcctcc 180
caagtgctgg gattacaggc gtgagccact gcacccagcc tagaatcttg tataatatgt 240
aattgtaggg aaactgctct cataggaaag ttttctgctt tttaaataca aaaatacata 300
aaaatacata aaatctgatg atgaatataa aaaagtaacc aacctcattg gaacaagtat 360
taacattttg gaatatgttt tattagtttt gtgatgtact gttttacaat ttttaccatt 420
tttttcagta attactgtaa aatggtatta ttggaatgaa actatatttc ctcatgtgct 480
gatttgtctt attttttca tactttccca ctggtgctat ttttatttcc aatggatatt 540
tctgtattac tagggaggca tttacagtcc tctaatgttg attaatatgt gaaaagaaat 600
tgtaccaatt ttactaaatt atgcagttta aaatggatga ttttatgtta tgtggatttc 660
atttcaataa aaaaaaactc ttatcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaa 788

<210> 2086
<211> 1350
<212> DNA
<213> Homo sapiens

<400> 2086
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gaaaggtaac cgaagcggct caggaaggca gctgtcactg agcccctgga acagagcgag 120
agtatcgtaa gtaaccaggc tcagccggtt tctcaggccg ctctagtcaa ataaaccata 180
aagatcagac tcgggcttct tcacttcctt ctctccgtgg tttcgccatt agcttccggt 240
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tgtagtacct ctgctgttgt tgggggggttt gtggagcgct gtgggagcgt ccagcctggg 360
tgtcgttact tgcggctccg tggtgaagct actcaatacg cgccacaacg tccgactgca 420
ctcacacgac gtgcgctatg ggtcaggtag tgggcagcag tcagtgacag gtgtaacctc 480
tgtggatgac agcaacagtt actggaggat acgggggaag agtgccacag tgtgtgagag 540
gggaaccccc atcaagtgtg gccagcccat ccggctgaca catgtcaaca ctggccgaaa 600
cctccatagt caccacttca cttcacctct ttctggaaac caggaagtga gtgcttttgg 660
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aggagaacaa tatggtcgac ctatcagtgg gcaaaaagag gtgcatggca tggcccagcc 840
aagtcagaac aactactgga aagccatgga aggcatcttc atgaagccca gtgagttgtt 900
gaaggcagaa gcccaccatg cagagctgtg aatctagagg ctctgagcca ctgttaacgc 960
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<210> 2087
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 2087
ggggtgtggt agtatccatt gttttaatta gcatttctct agtgatatag ggtgttaagc 60
tccatttcat gttttttttnt tttctctatt atctttggtg atacatntgn tcagattttt 120
tgctnttttt taagattttt tctttattgt gtgntaagag ttcttggtat attttagata 180
ccagtccttt ataagatgtg tttgacaaat attttctcct agtctgtggc ttgtcttttc 240
attttttttа aacagtgttt tacagagaag aaaaattttc aattttaatg aagtctacct 300
tatcaatttt ttctttatgg gtcatgattt tcgtgctgtg tttacaaata tattgccaaa 360
caagattttc ttcctcatta tctacaagtt ttacagtttt gaattgtatg tataggtctg 420
tgatactttc tgagttaact tttgtgaaag ataaaaggtc agtgttggat agattatttt 480
tccttttgca tgtggttgtc cagcaccatg aagactcttc cttctccact gaattgtctt 540
tgtacttttg ccaaagatca gatttacctc ttaaatcttt gtcaaacctg tccacttctc 600
accatctcca ttttcaatct cttcggacgc gtgggcggac gcgtgggtcg acccgggaat 660
tccggaccgg tacctgcagg cgtaccagct ttccctatag tgagtcgtat tagagc 716

<210> 2088

<211> 1424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1415)
<223> n equals a,t,g, or c

<400> 2088
gaattcggca cgagtggcta tatatttctt cacttgcaat tgcctcatgg ggttcttata 60
aggctgaaat ccaataacgg atacaaaaat actttaaaaa gtaggcatgg atttctactg 120
acagccatga gagagtttct agaactagac ctggatggcc ccaaacaact agaaaattgg 180
acaaaagata taaaaaaaaa actgttttca accattggac agtagtcagc ataggactct 240
tatctttgag agaaggggca aaaacaagat gatccctata agcttcctta atttcttttt 300
tttctttttt tgagacgctg tctccaaaac aaaacaaaag aataggacaa tctcgtattt 360
cctctatcta gactcaacaa ttcttaatat ttgctttatc cctgtctttc tacacatgca 420
tacacataca cacacacagg catacataat tgcatattta cagggtgttt ttgctgatct 480
atttgaaagt aagtttcaga cattatgaca cctactccta attcctcatg ttttttctaa 540
gaataaggat attatcttac ctaacatatc ttttatcaaa cctacaaaaa ttaacaattt 600
tatatctaat attagttcat gtttaggttt tgcctgtttt cccccaaatg tcttttacag 660
tacatgtttt taaaaccagg atctaaggag ttcacagatt atatttggtt attatgtctc 720
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gaagagtcca gaccaatttt ctatttgatt gcttccytgt gtgtatcatt taatttgttc 840
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tttggcaagt atatgtcgta ggtaacattt gtgctttata ctgcatcata ttgggagata 960
aataatatta tattgccatc tctgttagtg cagccattag aaagacattg tgcctatgtc 1020
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gaattaatac taagcaagac acacttttt ctttgttcct taaaaaaaaa aaaaaaaaar 1380
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<210> 2089
<211> 1226
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1224)
<223> n equals a,t,g, or c

<400> 2089
ggcacgagcg gcggtggtca atgcgttcta ctccccaaac cgaaaccaga ttgtattccc 60
tgccgggatc ctccagcccc ccttcttcag caaggagcag ccacaggcct tgaactttgg 120
aggcattggg atggtgatcg ggcacgarat cacgcacggc tttnacgaca atggccggaa 180
cttcgacaag aatggcaaca tgatggattg gtggagtaac ttctccaccc agcacttccg 240
ggagcagtca gagtgcatga tctaccagta cggcaactac tcctgggact ggcagacgaa 300
cagaacgtga gcgctgccac cagcacccag gctgcggggg taccggagcc cyagccctgg 360
ccctgaggga gagggaagtc agggccgggg ctgccccaat cctgtctcct gtgcgcagtg 420
aacggattca acacccttgg ggaaaacatt gctgacaacg gaggggtgcg gcaagcctat 480
aaggcctacc tcaagtggat ggcagagggt ggcaaggacc agcagctgcc cggcctggat 540
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cccgagttcg ccatccaatc catcaagaca gacgtccaca gtcccctgaa gtacagggta 660
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cccatgcacc ccaaggagcg atgccgcgtg tggtagccaa ggccctgccg cgctgtgcgg 780
cccacgccca cccgctgctc ggaggcatct gtgcgaaggt gcagctagcg gcgacccagt 840
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cttatcgctt gaganatccc nttnca 1226

<210> 2090
<211> 1632
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1602)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1616)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1617)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1628)
<223> n equals a,t,g, or c

<400> 2090
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cgaccaaggg gctgcggctt ctctttgatg gcgatgccca cctcctcatg tccatcccca 120
gccccttccg tggacggctc tgtggcctct gtgggaactt caatggcaac tggagtgacg 180
actttgtcct gcccaatggc tcagcagcgt ccagtgtgga gaccttcggg gctgcatggc 240
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gcttggcaga ggagactgca ccctatgaga gcaacgaggc ctgcgggcag ctccggaacc 360
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accctgctct accgcttttc tgggtcacag aggccaaatg tgagagcatt gaataaatat 1560
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attcccgntt cc 1632

<210> 2091
<211> 2429
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2406)
<223> n equals a,t,g, or c

<400> 2091
tcgccagctc gaaattaacc ctcactaaag ggaacaaaag ctggagctcc accgcggtgg 60
cggccgctct agaactagtg gatcccccgg gctgcaggaa ttcggcacga gtaactgcaa 120
tctggaagat ttggataatt ggacagcact tatatctgca tcgaaagaag ggcatgtgca 180
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gacagctctt atgtgggcat gttacaaagg ccgtactgac gtagtagagt tgcttctttc 300
tcatggtgcc aatccaagtg tcactggtct gtacagtgtt tacccaatca tttgggcagc 360
agggagaggc catgcagata tagttcatct tttactgcaa aatggtgcta aagtcaactg 420
ctctgataag tatggaacca ccccttagt ttgggctgca cgaaagggtc atttggaatg 480
tgtgaaacat ttattggcca tgggagctga tgtggatcaa gaaggagcta attcaatgac 540
tgcacttatt gtggcagtga aaggaggtta cacacagtca gtaaaagaaa ttttgaagag 600

gaatccaaat gtaaacttaa cagataaaga tggaaataca gctttgatga ttgcatcaaa 660
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aagacatatt ggatatttgg aactcctcct taaattgatg tttgtgaatc cacctgagtt 1680
gccagagcag actactaaag ctttacctgt gaggtttttg tttacagatt ácaatagact 1740
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<212> DNA
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<212> DNA
<213> Homo sapiens

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<222> (3960)
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<220>
<221> misc feature
<222> (3961)
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<211> 2085
<212> DNA
<213> Homo sapiens

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<222> (2062)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2065)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2084)
<223> n equals a,t,g, or c

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<211> 1781
<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<222> (3049)
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<220>
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<210> 2104
<211> 2519
<212> DNA
<213> Homo sapiens

<220>
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<222> (1349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2519)
<223> n equals a,t,g, or c

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caacgcacag agaacattaa agaaaggtct ctacagtccc tggcaaagcc taagtcccag 300
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<210> 2105
<211> 1312
<212> DNA
<213> Homo sapiens

<400> 2105

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gatatgtgtt cattggggat ctcttgattt gcctgacatt gacttcagca aaagcacggg 1500
gctgtaaatt accatttact agattagcca aatagtctga atttccagaa aacaaggcag 1560
aatgatcatt cccagaaaca tttcccagaa aatgtttccc agaaaactag acagmatgat 1620
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tcctatgtat tttaactcat tagtgcataa aggcaagccc catataatga agtctcaggg 1800
tatatgaaag tagctggctt caaaataaaa tttttgagtg caaaaaaaaa aaaaaataaa 1860
aaaaaaaaaa a 1871

<210> 2107
<211> 1309
<212> DNA
<213> Homo sapiens

<400> 2107
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cccaggagtt tcaaagaagc gctagtaagg tctctgagat ccttgcacta gctacatcct 180
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gccaaaacag gagtcctggg tgatatcatc atgagaccca gctgtgctcc tggatggttt 300
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<210> 2108
<211> 943
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (866)
<223> n equals a,t,g, or c

<400> 2108
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acctgcagat acagctctgt tgcttgacaa catgaagaaa gctctcaagt tgctgaagac 600
tgaattgtaa agaaaaaaaa tctccaagcc cttctgtctg tcaggccttg agacttgaaa 660
ccagaagaag tgtgagaaga ctggctagtg tggaagcata gtgaacacac tgattaggtt 720
atggtttaat gttacaacaa ctatttttta agaaaaacaa gttttagaaa tttggtttca 780
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<210> 2109
<211> 1377
<212> DNA
<213> Homo sapiens

<400> 2109
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<210> 2110
<211> 788
<212> DNA
<213> Homo sapiens

<400> 2110
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gccgccaccc gaacagcctg tcctggtgcc ccggctccct gccccgcgcc cagtcatgac 120
cctgcgcccc tcactcctcc cgctccatct gctgctgctg ctgctgctca gtgcggcggt 180
gtgccgggct gaggctgggc tcgaaaccga aagtcccgtc cggaccctcc aagtggagac 240
cctggtggag cccccagaac catgtgccga gcccgctgct tttggagaca cgcttcacat 300
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tctggttata gaacttggcc aaaagcaggt gattccaggt ctggagcaga gtcttctcga 420
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cccaaagtct ccaaaaagaa gctcaaggaa gagaaacgaa acaagagcaa aaagaaataa 720
taaataataa attttaaaaa acttaaaaaa aaaaaaaraa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaa 788

<210> 2111
<211> 1019
<212> DNA
<213> Homo sapiens

<400> 2111
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aaactcacga caccaaggag atccaggtta aaaagtacaa gtgtggcctc atcaagccct 180
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cgaagccatt ttagggtggc tgtggctctt cctcagccag gggcctgaag aagctcctgc 720
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tggagagaat ggggtgcttt cgtcagggac tgctgacggc tggtcctgag gaaggacaaa 960
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<210> 2112
<211> 975
<212> DNA
<213> Homo sapiens

<400> 2112
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caaaaagggt gccgcctttg agctggtctt catagtcctg gctgagcact acaaggtggt 180
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gtggggatcc gaggagaaga agatcaccca caacccattt ggtcccggac agttctttga 660
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agaattatcc cctaggactc ctttctaagc ccctaataaa atgtctgagg gtgtctcaaa 900
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 960
aaaaaaaaaa aaaaa 975

<210> 2113
<211> 1173
<212> DNA
<213> Homo sapiens

<400> 2113
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gtgagctaca gtgggaacag gctcaggact atctcaagag attttatctc tatgactcag 180
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tacctataac tggaatgtta aactcccgcg tcatagaaat aatgcagaag cccagatgtg 300
gagtgccaga tgttgcagaa tactcactat ttccaaatag cccaaaatgg acttccaaag 360
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<210> 2114
<211> 1708
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1109)
<223> n equals a,t,g, or c

<400> 2114
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aatgttagtt agtaggtaga cttagatccc atttctgtcc tgctcccagg aagattctta 1260
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tcctggaggc tgccatggtt ggaagatggt atcagagggc ctgcctgggc agtctgtctc 1440
cgggccaggg tcagggaccc tctgcctctg gcagccttaa cctgtcctct gctaggacca 1500
gggtgatttc aagccaggga agcaactggg accctgaaaa ctgtccctcc ccagcccgct 1560
ccccctctct gtgccctggt ccccttgctg ccatgtggat gctgttgtga ttgctgtttg 1620
tatattatca aaatgttttt atattaaaaa tgtttggtct gaaaattaaa agcacttcat 1680
ttagaaaaaa aaaaaaaaaa aaaaaaaa 1708

<210> 2115
<211> 1877
<212> DNA
<213> Homo sapiens

<400> 2115
cctgaaggga gagcagggag agagaggaca gtggccagag agggctctgg gcactggagg 60
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agaagcagcc tttgagaagg gaagtcacta tcccagagcc cagactgagc ggatggagtt 180
gaggaagtac ggccctggaa gactggcggg gacagttata ggaggagctg ctcagagtaa 240
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ttcctccccg ttcccgccct cacaggtgag tgaccaccaa gtgctaaatg acgccgaggt 360
tgccgccctc ctggagaact tcagctcttc ctatgactat ggagaaaacg agagtgamtc 420
gtgctgtacc tccccgccct gcccacagga cttcagcctg aacttcgacc gggccttcct 480
gccagccctc wacagcctcc tctttctgct ggggctgctg ggcaacggcg cggtggcagc 540

cgtgctgctg agccggcgga cagccctgag cagcaccgac accttcctgc tccacctagc 600
tgtagcagac acrctgctgg tgctgacact gccgctctgg gcagtggacg ctgccgtcca 660
gtgggtcttt ggctctggcc tctgcaaagt ggcaggtgcc ctcttcaaca tcaacttcta 720
cgcaggagcc ctcctgctgg cctgcatcag ctttgaccgc tacctgaaca tagttcatgc 780
cacccagctc taccgccggg ggcccccggc ccgcgtgacc ctcacctgcc tggctgtctg 840
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gcgcctcaac gccacccact gccaatacaa cttcccacag gtgggccgca cggctctgcg 960
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ctggtctgag acctcagagg cctcctactc gggcttgtga ggccggaatc cgggctcccc 1440
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atttgctctt ttatttttat gtctaaaatc ctgcttaaaa cttttcaata aacaagatcg 1860
tcaggaaaaa aaaaaaa 1877

<210> 2116
<211> 828
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (787)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (819)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (827)
<223> n equals a,t,g, or c

<400> 2116
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gaagccggta caggtgccct gcggacacgt cttttgctct gcatgcctgc aggaatgtct 180
gaagccgaag aagcctgtct gtggggtgtg tcgcagcgct ctggcacctg gcgtccgagc 240
cgtggagctc gagcggcaga tcgagagcac agagacttct tgccatggct gccgtaagaa 300
tttcttcctg tccaagatcc ggtcccacgt ggctacttgt tccaaatacc agaattacat 360

catggaaggt gtgaaggcca ccattaagga tgcatctctt cagccaagga atgttccaaa 420
ccgttacacc tttccttgtc cttactgtcc tgagaagaac tttgatcagg aaggacttgt 480
ggaacactgc aaattattcc atagcacgga taccaaatct gtggtttgtc cgatatgtgc 540
ctcgatgccc tggggagacc ccaactaccg cagcgccaac ttcagagagc acatccagcg 600
ccggcaccgg ttttcttatg acacttttgt ggattatgat gttgatgaag aggacatgat 660
gaatcaggtg ttgcagcgct ccatcatcga ccagtgagca gagtccgtgc ttgctatctg 720
tctcatgtta cagagcttcc attacatatt aaacgtgaaa tctatgaaaa aaaaaaaggg 780
ggggggnccc ggttacccca atttcggccc tattaggtna agtcgtna 828

<210> 2117
<211> 2520
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2520)
<223> n equals a,t,g, or c

<400> 2117
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ggccccagga catgcagaac cttcctctag aacccgaccc accaccatga ggtcctgcct 120
gtggagatgc aggcacctga gccaaggcgt ccagtggtcc ttgcttctgg ctgtcctggt 180
cttctttctc ttcgccttgc cctcttttat taaggagcct caaacaaagc cttccaggca 240
tcaacgcaca gagaacatta aagaaaggtc tctacagtcc ctggcaaagc ctaagtccca 300
ggcacccaca agggcaagga ggacaaccat ctatgcagag ccagtgccag agaacaatgc 360
cctcaacaca caaacccagc ccaaggccca caccaccgga gacagaggaa aggaggccaa 420
ccaggcaccg ccggaggagc aggacaaggt gccccacaca gcacagaggg cagcatggaa 480
gagcccagaa aaagagaaaa ccatggtgaa cacactgtca cccagagggc aagatgcagg 540
gatggcctct ggcaggacag aggcacaatc atggaagagc caggacacaa agacgaccca 600
aggaaatggg ggccagacca ggaagctgac ggcctccagg acggtgtcag agaagcacca 660
gggcaaagcg gcaaccacag ccaagacgct cattcccaaa agtcagcaca gaatgctggc 720
tcccacagga gcagtgtcaa caaggacgag acagaaagga gtgaccacag cagtcatccc 780
acctaaggag aagaaacctc aggccacccc acccccctgcc cctttccaga gccccacgac 840
gcagagaaac caaagactga aggccgccaa cttcaaatct gagcctcggt gggattttga 900
ggaaaaatac agcttcgaaa taggaggcct tcagacgact tgccctgact ctgtgaagat 960
caaagcctcc aagtcgctgt ggctccagaa actctttctg cccaacctca ctctcttcct 1020
ggactccaga cacttcaacc agagtgagtg ggaccgcctg gaacactttg caccaccctt 1080
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tgccgtggtg ggcaacgggg gcatcctgaa caactcccac atgggccagg agatagacag 1260
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aaaccatgac ttcaagctgg agagagaagt ctggaagcgg ctacacgatg aagggataat 1860

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tcagtacatt gctgtaggtc ctgaggccag ggatttttaa ttaaatgggg tgatgggtgg 2160
ccaataccac aattcctgct gaaaaacact cttccagtcc aaaagcttct tgatacagaa 2220
aaaagagcct ggatttacag aaacatatag atctggtttg aattccagat cgagtttaca 2280
gttgtgaaat cttgaaggta ttacttaact tcactacaga ttgtctagaa gacctttcta 2340
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ctacgtgttg tagaaaactg ataataatac aaatgattgt tgtccatgga aaggcaaata 2460
aattttctac agtgaagatg caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaan 2520

<210> 2118
<211> 692
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (602)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (627)
<223> n equals a,t,g, or c

<400> 2118
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gttggtacgc ctgcaggtac cggtccggaa ttcccgggtc gacccacgcg tccgattttc 120
ttcagacaaa actgctcttg tgcaatattt tatgctcagt gagcaaattg tgtatttatg 180
tttatcaatt tgttctcaag gtggctgtct acagacattt gaccaagaca tacatctgat 240
ttaccttgtg ttttttttt attgttgttt ttttttaaga cagagattca gtctgtcacc 300
caggctggag tgctgtggtg tgatcttagc tcactgcaac ctccgcctcc caggttcaag 360
caattttcct gcctcagcct cccgagtacc tgggactata tgtgcgcacc accacgcctg 420
gctaattttt tgtattttta gtagagatgg ggtttcacca tgttggctgg gctggtctcg 480
aactcctaac ctcaagtgat ccacccgcct cagcctccca aagtgctggg attacaggtg 540
tgagccactg cacccagcct accttggctg tttgngtctg ggaggttttt ttttttctat 600
tnttattttt tcatgaaaat tattggnggg ccactgaaag tccccacaca caaaagcctt 660
tattctatat aatttataaa cacaaattca tg 692

<210> 2119
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<400> 2119
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ttgaacccgg gagacggagg ttgcagtgac ccgagatcat gccagtgcac tccagcctgg 120
gtgacagagt gagactctgt ctcaaaaaaa taaaaaataa ataataaata ataataataa 180
taaaataaaa ataactgcaa caagccccta gattgacttg aagcctctgt ctgaactgct 240
ggcgggatcc ccancttccc ccatgtgcct gttcatggca tgcagaggtc agncccttgc 300
ttcaagcctc ggaccagagt gggccatctc ggttagcata ngacacaang acagaagcat 360
tgncctcaag tttnctgaga catgtttgcc cctggaagcg gtgattttgg ccatcattgc 420
tgnaagactt gtcatcgggg cagnatctta ncatcangca tttgctgtcg cggn 474

<210> 2120
<211> 204
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)

<223> n equals a,t,g, or c

<400> 2120
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nnttcctgga gggatttcac cacagacagg tggcatcatc cagnctnagn aaatctaatt 120
tacaggaaat aaagactcaa gatataccta cgacagtggc agnacctaca ccagnccaaa 180
gcacagataa ctgcaactgg ncag 204

<210> 2121
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<400> 2121
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gacctcacca agagggcggg agaactcact gaggatgagg tggaacgtgt gatcaccatt 120
atgcagaatc cacgccatac aagatcccag actggttctt gaacagacag aaggatgtaa 180
aggatggaaa atacagccag ccttcgtgtc cgaggccagc acaccaagac cactggccgc 240
cgtggccgca ccgtgggttt gtccaagagg aattaagttt ttaggccttg tctgttaata 300
aatagtttat atacctnaaa aaaaaaaaaa aaatttnggg gggggncccc gtacccattt 360
gcccttn 367

<210> 2122
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<400> 2122
gggggtgcct gtacccccca gcctggctgg catcatgcag aggaccttcg cctggctgtt 60
ggaccgcgtg cagcacctgg gtgcccctgt cacccttcgc gcctcttatc tggagatcta 120
caatgagcag gtctcagccg tcgaaggaac tcagcccaca ccctgaacca ggcctccagc 180
cgaagccatg ccctgctcac cctttacatc agctccaaaa aaaaaaatna attntttatn 240
nnc 243

<210> 2123
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<400> 2123
ggaaagatag atcctgacca gacagtaatc agagctgagt ctttggatgg tggtgacacc 60
agttctacag ttgtagaatc tcaagagggg ctttctggca ctcatgtccc agagtcttct 120

gattgttgtg aaggttttat taatactttt tcaagcaatg atatggatgg gcaagactta 180
gattacttta atattgatga acgcgcaaaa atggcccact aattagtgat gctgaacttg 240
atgcctttct gacagaacan tatcttcnga ccactaacat aaatcttttg aanaaaatgt 300
taaatgactc taaatcg 317

<210> 2124
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<400> 2124
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ggaattcccg ggtcgaccca cgcgtccgca ccgggcactt ccaccaacgg caaagncctg 120
gctgccactg cacccactcc tggcatcccc atcctgcagn ctgnaccctc cgccccaccc 180
cccaaagccc agncagtttc tcccgtgcag gccccgcccc cgggtggctc annccagctg 240
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gccgg 305

<210> 2125
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<400> 2125
gggcaactat tatctcaagt tcagtgtggt gagtgacaag aatcatatgc actttggggc 60
tatcactngn gccatgggta ttcgcttcaa gtcttactgc tccaaccttg ttcgcacttt 120
gatggttgat ccttctcaag aagttcagga aaattataac tttntgctcc agcttcaaga 180
ggagctgctg aaggaattaa gacatggtga gaagatatgt gacgngtata acgctgncat 240
ggacgtggtt aaaaagnaga agccagaact gntgaacana aattaccnaa aacctagggt 300
tagggatggg aattgaatcc cgtgaaggct 330

<210> 2126
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<400> 2126
ggcacgagct cgtgccgaat tcggcacgag cccaaacgga gccacgtgag gacgtctttg 60
gggatgtgtc tccaagaaaa gtgtgggctg ccttcctcac cctggatgcc tgtgggctgc 120
cttcctcacc ntggatgcct gtgggctgcc ttcctcaccc tggatgcctg tgggcagcct 180
tcctcaccct ggatgcctgt gggctgcctt ctcaccctgg atgnctgtgg gctgccttcc 240
tcaacctgga tgctgtgggc agctttctca acctggatgc tgtgggctgc ttnctcaacc 300
tggntgactg tgggcannct ttcntaacct gga 333

<210> 2127
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<400> 2127
gttgaggacc cgctgcggag ctgctgcctg gtggccgcgg acgcccagga gcccgagggc 60
gcgggcagcg actcgggggа cagcccggcc agcagctgca gcagtagcga ggactcagag 120
cagcggggag tcggcgccgg gggtcccgag gagggcgcgc cccctgccac ctcggccgag 180
aggactaatg ggggtgcgga ccncgcctgg gcttttctga cattcactnc aactctcgca 240
acacgttcca ggntgagccg cngn 264

<210> 2128
<211> 667
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (624)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (631)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (666)
<223> n equals a,t,g, or c

<400> 2128
gcaaatattc attatttgtt ctactggaaa taaaaatact aattcaatgg atttgagttt 60
atgtaataat ttacagagtt tttcaatgtg ttttttcaga atggacatgt aaaatttagt 120
tacattccag ggaattttca ggtgaaaatt agtagatagt taacatgaaa attttatatg 180
aattcatatt ttttcttgga caatatgcta atatttattg atttcacaaa tttacagcat 240
atgggtgatt ttggaagcat tcatagaccc ggaattgttg ttgactatca aaacaaatcc 300
accaatgtna cagttgctgc tgcaagagga ataaanagaa aaatgatgca gccatttaat 360
aagcccagtg gaacctttat caagaaccca aactagcaaa acctatggag aanataagcc 420
tcagcaaatc accacaaaaa ctgatcctaa aaattgaana agaaaaaaaa cggcaattga 480
ggtccgcaaa aaaaacaaag gccccaaaaa aaaaaacgng anaattcgga aatggatccg 540

aatggcttta atnttctttt gtaatttcaa ctttaaaaaa aaanttgact gctcggaaat 600
tctcctccga acnttgatct ttcnaaacac ntattgaaaa tttttggatt tgcctatttt 660
tggaana 667

<210> 2129
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<400> 2129
tngaatagtn aacataacat ttacggtctt tatgattnaa nagtagtgtg ctagtntaca 60
atcatagaaa gcattattac agttttaaca aaaaagcagt gaaagccttt ttgagatctt 120
tnntatctga ttggaatagc aagtattttt tgttttgatt ncatttttat acatactttt 180
atgataataa ctttaagcat tatctcagat taccttacgg aaaagtgtgg aatcagcatt 240
aagacagtta gaaagagaaa aggcgcttct tcagcacaaa aatgcagaat atcagaggaa 300
agctgatcat gaagcagaca nnaaacgaan tttggaaaat gatggtttgn ggtgnagaat 360
attaaatact catcaagaaa aaaa 384

<210> 2130
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<400> 2130
gcgtcagtct cagcttgctc aggatgagcg tgtgtcccgc tcttacctcg ccctggccac 60
cgaaaccgtg gacatgttcc acatcctccc ccaaagcaat gtgagtccca gagcccgctt 120
ttgctcgatg aaagtctgga gtctctgaag cgaatccatg aagtgcagga agagatgaag 180
aacaaagaac agtgggacca gttgccccgg gatcagcagc aggctcgtca gtctcagctt 240
gctcaggatg agccgtgtgt ccgctcttac ctngcctgcc accgaaaccg tggacatgtt 300
ccacatcttc cccaaagcaa tgtgagtccc anagcccgct tttggtcttt cccacaattn 360
cattactaag aaacacatca aataaactga ctttttttncc cccaaaaaaa aaann 415

<210> 2131
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (498)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<400> 2131
cggcacgagc atggatgtca tcagcattga caagacggga gagaatttcc gtctgatcta 60
tgacaccaag ggtcgctttg ctgtacatcg tattacacct gaggaggcca agtacaagtt 120
gtgcaaagtg agaaagatct ttntgggcac aaaaggaatc cctcatctgg tgactcatga 180
tgcccgcacc atccgctacc ccgatcccct catcaaggtg aatgatacca ttcagattga 240
tttagagact ggcaagatta ctgatttcat caagttcgac actggtaacc tgtgtatggt 300
gacttggagg tgctaaccta gggaggattt ggtgttgtta ccaccagggg gnggcaccct 360
gggtntttta cgngggttca gggnaaanat gccattggaa cagttttncc ctgggntttn 420
caaatttttt tttttggaag ggaacaanct ggnttttttc ccggggaagg gtttcngctt 480
nccttttttn ggggggggnn 499

<210> 2132
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<400> 2132
nangnacgct gtgtaaataa natgctttgg gggctcccct ggccacagaa ggagaaaact 60
ggagccttct aatttcctgt tgtttacttt ccaaaggctg gagttgggta ggaaacctgn 120
gcataccggc acactggctt gtgggtgaac ttctctccct gctgtatttc ccggacaggt 180
gaggcggacc ctgttcatca caggactccc cagagatgcc aggaaggaga ctntggagag 240
ccacttccgg gacgcgtatc ccacgtgtaa ggtggttgat gtncagttgt gntacaa 297

<210> 2133
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<400> 2133
ggccgtgaga ttcncaggag tttccacttg gtgatcagca ctgaacacag accaccaacc 60
atggagtttg ggcctagctg ggttttcctt gttgctattt taaaaggtgt ccactgtgag 120
gtgcagctgg tggagtctgg gggaggcttg gtacagccag ggcggtccct gagactctcc 180
tgtacaactt ctggattcac ctttggagat tattctatga gctgggtccg ccaggctcca 240
gggaaggggc tggagtgggt aggtttcatt agaagcaaag cgcatggtgg gacaacagaa 300
tacgccgcgt ctgtgaaaag gcagattcac catctcaaag agatgattcc acaggcatcg 360
nctatctggc aaatgaacag cctgaaaccg aggacacaga cattattact gtctagacat 420
gactacaggc acacccctgg ctactggggg cagggaaccc tggtcaccgn cttctctggc 480
ttccaccaag ggccatcgtc ttccccctgg ngcccttgtt ccaggancac ttccgaaanc 540
cagnggcctg ggcttgctgg gcaagggctc ttncc 575

<210> 2134
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<400> 2134
gcgctcaacc ctcactaagg gaacaaaagc tggagctcca ccgcggtggc gnccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacgag ggagttttca gatcaaaaac 120
tggttaccat tttttgtcag agtgtctgat gcggccactc attcggctcc ccagaattcc 180
tagactgggt taatagggtc atattgtgaa tgtctcacta caaaatgact tgagtccagt 240
gaaatctcat tagggtttaa gaatatttca gggatcctta atgttttgat ttttgttttc 300
tgaaattgga ttttatttta ttttatctta taatttcagt tcatctaaat tgtgtgttct 360
gtacatgtga tgtttgactg taccattgac tgttatggaa gttcagcgtt gtatgtctct 420
ctctacactg tggtgcactt aacttgtgga atttttatac taaaaatgta ggataaagac 480
tattttgaag gtttgaataa agtgatgaag ttgcattaca nctcactgca aggattcttt 540

acttagcttg tttttag 557

<210> 2135
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<400> 2135
ncaannnnga cacnaaccct cactaaaggg aacaaaagct ggagctccac ctgcggtgcg 60
nccgctctag aactagtgga tccccccgggc tgcaggaatt cggcacgagg aggagcccca 120
gtcatgctca gcacgctaca gatgtgttgt ttgtcacact gagattgctg aatgtcgtgg 180
ctgttggctg ccgagcctca gctgctggca tttccttctg ctgtttgctg cttttgtgcc 240
tcccccactt tccatcacct ctggagtccc gtctggacgt cccttcctgc tacaggaata 300
atgaggcgtg ggctgcctcc cgctaggcct cctgctccct ntaggtagtt tctngctgag 360
gcttgctaat tggggatgct tcttagagca tcttccacat caactcccct ggctgctggc 420
taccgattaa attcattagt gtgaaagagg tgggagtgag gttttctggn ctgaagcagt 480
ctgcactgaa aggtacccaa gtggcctgaa acagtgtagg gaaagacctg ggaaacactg 540
gaccaaaaaa gc 552

<210> 2136
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<400> 2136
aaccctcact aaagggaaca aaagctggag ctccaccgcg gtgncggccg ctctagaact 60
agtggatccc ccgggctgca ggnattcggc acgagcggcg gcggncggcc cgctccagcc 120
atgccgaata aaaacaagaa ggagaaagaa tcaccaaaag cagggaagag tggaaaaagt 180
tcaaaagaag gacaagacac agtagaatca gagtgctact gtctaagagc tggagctaca 240
gagcttgaaa ttaccactga aaacactgaa atgttgggcc cttcactgct tcctcataag 300
gataccagag gcaacctggc atattaagct tgacacttgg cagatcactg tgtaaattgt 360
ttttcaggaa tacaagttgg gacacttctg ttcatttgac ctttgagttg acccttaaat 420
tttattattg ttttttttcc cctcagtctt cagctcactg cttcacttct agttccaccc 480
acttaccaaa tatgattgac tcatgcaggt gaattaaacc attattgcac actttttccc 540
tctcctctct ctcagtatta ctcttaactt gaatatttta acctgaacaa tttaaatagg 600
cttgacattc ccatgctg 618

<210> 2137
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 2137
anantaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtgcn gnccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacgag gaggaatcgt gtgtctgctg 120
ttgatgaact tgcaatggct acagaacgac taagagtgcg tgatcctagg gagccaaagc 180
ctaatccgcc tgttcttcat atcattgaac cacatgaggt agaacaaaac cgaataaaac 240
tactaaatga taaagctgtt gctacatcac agcttcagaa aaaacttggg cagcttcttt 300
acctaactaa tttggagaag tctcaagata aaacatcggg aggtgttaat ccagaacctt 360
gcccaatctg tgctcgacag ctaggaaaac agtgggcggt actgacctgt ggtcactgtt 420
tctgtaatga atgcatttct ataattattg aacaatacag cgtgggatct cacagaagct 480
ccattaagtg tgcaatctgc cgccagacca catctcacaa ag 522

<210> 2138
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<400> 2138
tganacnaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg acggccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agctacaact ggagaatcca 120
tccatcaggt gactgagttc ctccaaaggg gacactacta atgtgtctca gacactaact 180
aaggtgagaa ggaatgcact gttgaggggg cagcacatcc ttaagaagct caatggtggc 240
tgtcccctgc aggctggaat aatgctaggg atgttttata gaactggatc ccccagtagt 300
gagtaaaatg atagagttcc agaataacag gggccaagtg gcagcattta actgtgagga 360
caagataaag taatttccgt aaggggcatc aacgttagag tgacaactgg gaggcctgac 420
ctgtaggtgt ccatgaagat ggctcttagg acatgctgtt cctctaggca agacacatat 480
tgctttagac atataatcaa aagaggat 508

<210> 2139
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<400> 2139
ccctcactaa nggaacaaag nctngngctc caccgcggtg ncggccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agcggtttta ttttcaataa tgaacagctg 120
gctcagatga atgaacagct ggctcaggtg aatgaactaa agaaaatgac ccttcaaact 180
ggctttgaac aaggtgacag agaaaatgta ctgtgtaata aaaaggagaa aagaataaca 240
aatgagcaag aggaaacata ctctttatcc caaagttcag gtaaatttca ccaggagagt 300
aaatttgata agggtcagaa ttccctaact tgtaataaaa gtaaagcttc tagacagaca 360
tttgtgattc acaaattaga aaaagataac ttactcccaa accaaaagga taaagtaacc 420
atttatgaaa acctagacgt cacaaatgaa tttcacacag ccaatctttc caccaaagat 480
atggaaattt atgtgattat gggacccaca atatattgga tttgaaaagt atgtcactga 540

tattca 546

<210> 2140
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<400> 2140
gnacaccctc actaaaggga acaaaagctg gagctccacc gcggtggcgg ccgctctaga 60
actagtggat cccccgggct gcaggaattc ggcacgaggg agattgatga tgacttttc 120
ccaagttctg gggaagaagc tgaagctgct tctgtaggag aaggaggagg aggaggtcgg 180
aaagtgggaa gataccgaga tgatggagat gaagattatt ataagcagcg gttaaggtcg 240
gtctgtgggg attataaata cattgtactg tttgctttat cttaggtgac aggtttatta 300
atatgtaagc attctagatc cagcttaata tattagaccc ccccgattat acagaggttg 360
gatttctgca gccttaacct gctagaagca gtggggcccc tgagtcctta atgatgctgg 420
ccccaaatgc atgtacttct aggtctttag ttggatttgg aggcaagtct aagatgaaaa 480
acttaaggga aggctggggc aagaggcata cagagggctg agtgtgagct gtgtcgc 537

<210> 2141
<211> 480
<212> DNA
<213> Homo sapiens

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<222> (31)
<223> n equals a,t,g, or c

<400> 2141
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ctagtggatc ccccgggctg caggaattcg gcacgagatg atattgagac ctctgtcatt 120
taatattggg acaaaattgt atttctaact cacaacaaac agaaaaacta cattagatgt 180
actatcactt tagatttgaa aacaattctt taaaactttt acaagaaaat caaaataaga 240
ctctactgcc tttaatttga ggaagcacat gtcattaagg aaaagactga tgagttcaca 300
tttgctgata aaaataatat aatctgtcca tcctaagtta ggtgtccaac aaatagttac 360
atgtctatcc tctcaccttt catgtcctcc aacacttctc tttaaagagt ggcatagata 420
acatcatgaa agaatgagga aactccagtg caccaaaaaa ttatagagtt tataaatatc 480

<210> 2142
<211> 500
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 2142
ggnganntca acctcactaa agggaacaaa agctggagct ccaccgcggt ngcggccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gaggtctgat ttcttcacac 120
ttgtaaacaa ttgtattata tatgcatact gtatattttg tagttataag aagaaaaata 180
ccagaattta aaatgcagtc acaatgtgtt atgttttcag atgacttacg tatgtttttg 240
ttcatcagta ttttaaaaaa taatcacctg tttgtgaaaa taatggtttt gaaaacagca 300
ttatgatgag agggaacttc gtaatttcat gagaatgtag atggtgactg tttaagtggg 360
agctcacata ggcattaaca tcaccctcct tttgcacagt ccttttaagt ctcctgttaa 420
acatctttta ttgtgtgtat ttaaaggcac acagatgctt tttcctgtat tcatcttaca 480
aatttaccta catattcagc 500

<210> 2143
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<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<400> 2143
gangtcnanc ctcactaaag ggaacaaaag ctggagctcc accgcggtgg cggccgctct 60
agaactagtg gatcccccgg gctgcaggaa ttcggcacga gcttttggct tctagttgat 120

tacttttttt ttccctgcaa atttgggttt tgattacttg agcatagtga tcaaaaaaga 180
tcactgggca tccatatacc gtttcattaa tgattaatgg actacaatat tgacttgtct 240
catgttatca aagttataat ctgctttata tagcaagttc actttgcttt aaacagcttt 300
taatttatat tattgttctt gaaaaggtga gtaaatatgc aaattgaata attttaaaat 360
ccaagggcag gttttgtaag aaacttagag ggcagagagg aatttttgta aaggggaaaa 420
attattttat ttt 433

<210> 2144
<211> 129
<212> DNA
<213> Homo sapiens

<220>
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<222> (113)
<223> n equals a,t,g, or c

<220>
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<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2144
gaaaaatcac aagccttctg tacttttagg ctttgatatg tctgaactta aaaatgtgaa 60
acatagattg aactttgaat atgaaccata aaacttgcaa aaaaaaaaaa aangnacntt 120
taangtagn 129

<210> 2145
<211> 423
<212> DNA
<213> Homo sapiens

<220>
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<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
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<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

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<222> (404)
<223> n equals a,t,g, or c

<400> 2145
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cctgtaggct atccagcgta ctccaaagat tcaggtttac tcacgtcatc cagcagagaa 120
tggaaagtca aatttcctga attgctatgt gtctgggttt catccatccg acattgaagt 180
tgacttactg aagaatggag agagaattga aaaagtggag cattcagact tgtctttcag 240
caaggactgg ctttctatct cttgnactac actgaattca cccccactga aaaagatgag 300
tatgcctgcc gngngaacca tgtgactttg tcacagccca agatagntaa gtgggancga 360
gacatgnaag cagcatcatg gaggtttgaa natgcccgca attnggaatg gatgaattcc 420
aaa 423

<210> 2146
<211> 519
<212> DNA
<213> Homo sapiens

<220>
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<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 2146
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acatcagcca aatgtgaatg atctcttggt tcatggaatg cctctacagc caagaaatct 120
ctccctaatg gacaagctcc tagatcttga tgacaagcta cttatgaggc ctgggtccag 180
taccatcctt tcaactcgaa attggccaaa tcgagctgtg gagtttagta catcatctct 240
gtcatacaca gtgcagtcca ccaggagacg caatccacca ccacgaactc ttcatccgat 300
cagcacganc cattcatgtg ctgaaacacc aggatctgtg gaagaaattc tcagaggagc 360
ccgagtccca ntggcacccg actcgctctc cttctccctc accgacgccc ctgagttgaa 420
attaatctgc taccacctat tgggcacagc tgaagtgnaa acatgtgatc actgtgnggg 480
tcacagagac aagatgaatc cccaatggan actntantc 519

<210> 2147
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

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<222> (337)
<223> n equals a,t,g, or c

<220>
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<222> (362)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
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<222> (433)
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<222> (443)
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<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (484)
<223> n equals a,t,g, or c

<400> 2147
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aacggcagct ggtgttcagg agtaagctga ctatgcacac agcctttaat cgaaaggaca 120
atgcacaccc agctgaggtc actgccttgg gcatctccaa ggatcacagt aggatcctcg 180
ttggtgacag tcgaggccga gttttcagct ggtctgtnag tgaccagcca ggccgttctg 240
ctgctgatca ctgggtgaag gatgaaggtg gtgacagctg ctcaggctgc tcggtgaggt 300
tttcactcac agnaagncga caccattnca ggaactntgg gtcagctctt ctgccagaag 360
tncatcgctt tnaatctgaa tnaaacgttt gaaatttcat cccggtgngt gtttgtcaga 420
cttgttattn tanttccagc ttngggnggt nagaggttgg cncgaatttt gagntcacca 480
gttngtgggc ctggttgcc 499

<210> 2148
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<400> 2148
gatgaattga gtgaagctct cctacttata aaggctcaaa aagaacaaaa aaatggagac 60
ctttcctttt tagtgaaagt agatagtgaa attaataaag atctagaacg ctctatgaga 120
gagctgcaag caactcatgc agaaacggtg caagagctgg aaaagacaag aaacatgcta 180
attatgcaac acaaaattaa taaagattat cagatggagg ttgaggcagt gacccgtaag 240
atggaaaatt tgcagcaaga ttatgaactc aaagtggaac agtatgttca tcttcttgat 300
atcagggctg cacgtatcca taaactagaa gaagctgtaa gtttggggag catataagtg 360
ttcttcagct gttggagttt tgcatattct ccatanccaa aattttcaca gaaaagcaag 420
gcagatattc acgttggtga tatttggttg gcctctgtat ataacggtga a 471

<210> 2149
<211> 345
<212> DNA
<213> Homo sapiens

<220>
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<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
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<222> (139)
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<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<400> 2149
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tcccgggtcg acncacgcgt ccgtncaaga tggtgccacc ggtgcaggtc tctcngctca 120
tcaagctcgg ccgatactnc gncctgttnc tcnatagtgg cctacgganc cacgcgctac 180
aattacctaa aacctngggc agaagangag aggaggatag cancagaaga gaaagaanaa 240
agcangatga actgaaacgg attgccagaa aaatggcaag aaagatgcag cattattaaa 300
agtgaagttg aannatgngg aaccanttct tttggaacca ancat 345

<210> 2150

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<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2151
gcaggggget gctttgcatc tgaaactgtc agccccagaa tgttgacagt cgctctccta 60
gcccttctct gtgcctcagc ctctggcaat gccattcagg ccaggtcttc ctcctatagt 120
ggagagtatg gangtggtgg tggaaacgat tctctcattc tggcaaccag ttggacggcc 180
catcaccgcc ctccgggtcc gantcaacac atactacatc ntnggtcttc aggttgccta 240
tgggcaaggt nttgaacnaa ctatttttngt ttgttcccca accggaaaac ctggaagnaa 300
aatcttttct tgccccccctt ggggaaatcn 330

<210> 2152
<211> 544

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
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<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

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<222> (493)
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<220>
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<222> (528)
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<222> (533)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<400> 2152
tttttttagc atcatgttta cgcccttgga cagatacant gatagaaata tgcaaattaa 60
tagacatcaa tactgtgcgt taaaggctat gtctgctgta ctgtgttgtg gccctgttgc 120
agataatgta ggactttcat cagatggcta tttgtacaaa tggttggata acattttgga 180
ttctctggac aaaaaggttc accagctggg ctgtgaagca gttacgttgt tactggagct 240
gaaccctgat cagagcaacc tgatgtactg ggctgtggac cgctgctaca cgggctccgg 300
gagggtggcg gccggctgct ttaaagccat tgctaatgtt ttccagaaca gggattatca 360
atgtgacaca gtgatgcttc taaatctgat actgnttaaa gcagctgatt cttctagaag 420
tatctatgaa gttgctatgc aacttttaca gattctggaa ccgaagatgt ttcgctatgc 480
tcacaaattg gangttcaga gaacagaatg gaggactcac ccagtggntc ctntacacaa 540
tntn 544

<210> 2153

<211> 236
<212> DNA
<213> Homo sapiens

<220>
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<222> (12)
<223> n equals a,t,g, or c

<400> 2153
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tggagaagct actcatgata gcaggagaag agcgggcact gtgtcttgtg gacgtgaaga 120
aagtgaaaca gtccctggcc cagtcccacc tgcctgccca gcccgacatc tcacccaaca 180
tttttgaagc tgtcaagggc tgccacttgt ttggggcagg ccaagaattg agaacc 236

<210> 2154
<211> 402
<212> DNA
<213> Homo sapiens

<220>
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<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
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<222> (65)
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<220>
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<222> (140)
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<220>
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<220>
<221> misc feature
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<220>
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<222> (161)
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<222> (164)
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<220>
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<222> (188)
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<220>
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<222> (195)
<223> n equals a,t,g, or c

<220>
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<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
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<222> (277)
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<220>
<221> misc feature
<222> (288)
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<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

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<220>
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<220>
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<220>
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<222> (8)
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<220>
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<222> (17)
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<220>
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<222> (44)
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<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<400> 2156
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cccgggtcga cccacgcgtc cgcccacgcg tccgcccacg cgtccgggag ttccggaaag 120
ccaaggccag ctccacaggc agcttcacag cacctgatcc cggcctgaag cgcaagtccc 180
ctcctgaggc cctgtcaggg tccttacccc cagccaccac ctgccccgcc tcgtccacgc 240
ctgcgcccac tatcatccct gctccagctg cccccgggaa gccagcctcc gcagccaccg 300
tgaagaggaa gcggaagagc cggtgggggc ctgaagagga taaggtagag ctcccacctg 360
ctgaactggt gcagagggac gtggatgcct ctccctcgcc tntgcagntc aggacctcaa 420
ggggctcggn tatgagaagg ggaagcctgt gggnctaang ggcg 464

<210> 2157
<211> 316
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
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<222> (283)
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<220>
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<223> n equals a,t,g, or c

<400> 2157

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gtttcgcctt ttatgcctat cactaccgct tcaatgggca gtatagcagc ctggccctgg 120
tcacctactg gctcttcatc caggtgaggc ctgggcggca agcaggggc aggccagccg 180
tgcctttcca ggcaggagag gctgcagccg gngaggatgc cctgtggggt cggcccaagc 240
gggcagaggt agcgtggatg gtcccggntg ggctgnctc tgnnagcagc ggctgggtgg 300
tcaagggcgg ncccgt 316

<210> 2158
<211> 362
<212> DNA
<213> Homo sapiens

<220>
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<222> (247)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

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gcaggnctcg atggcgcact gggtaaagct ctcaaggagc agaagtacga ccggcagctg 120
aggttgtggg gtgatcatgg gcaagaggct ttagaatctg ctcatgtttg cctaataaat 180
gcaacagcca caggaactga aattcttaaa aacttggtac taccaggtat tggttcgttt 240
acaattnatt gatggnaatc aggtcagcgg agaagatggc tggaaaacaa tttncttcct 300
tcaaagaagc anttntcggg caaaaaccga gctggaaagc ngaccatggg aatttcttan 360
ca 362

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<211> 79
<212> DNA
<213> Homo sapiens

<220>
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<222> (73)
<223> n equals a,t,g, or c

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gacctcgtcc gccaaggatg tgccagccgg cagcttgcgc actgccctca atgagctcaa 60
gagactgata canagcatt 79

<210> 2160
<211> 446
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
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<222> (417)
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<222> (419)
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ggatggggag ccaggctcag aggtggacgc tggctgcctg ggccacctcc tttcccgagc 120
cccatctggt cgagcagaga gcagagggag agggagttgc ccggtgccca ggctcccaga 180
gtgctgtcct ctgcccggtt cgtcaagtcc aggtagtgga tcccagtgga gcttcggtgc 240
tggaggcgtc tctgcctcgt ttccggctcc atgttacgct cttagaaacg gagttgattg 300
tggttgaggc ggaaggaagg gttccccgca nacgtcctct ctcttctaca aagtgtgggc 360
aanagccagg gccagtgagg gctgctgtgc atgagtggcc tgagacaaag cgctgtncnc 420
cgttgagana tgggctccna agaaac 446

<210> 2161
<211> 450
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (361)
<223> n equals a,t,g, or c

<220>
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<222> (386)
<223> n equals a,t,g, or c

<220>
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<222> (400)
<223> n equals a,t,g, or c

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<222> (415)
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<220>
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<222> (448)

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aatggagttg ggggaagggc cctgaaggca gccccaggcc tgactgtggg cctccagcta 120
caggcatttg tgtttgggca ccagctaccc cacatcccag ccggtcatct ctgggcataa 180
acccccaccc cccagaaagg aggcttcctg tccctcttgg gcaccagctc agccaaaagc 240
cagaaagctg ctctggagca taacctgacc cccccacggc gaggcagggc agtcttctct 300
ggctggcact gctctgggca tagaattgat ccttcatcaa nctttacccc aaaaaagaag 360
ngtcttcctg ggtgaaggac aaagtngggg aaggcaacan ggctggggct taaangccct 420
tcaccagcca ttcaagggtt gccttttnaa 450

<210> 2162
<211> 405
<212> DNA
<213> Homo sapiens

<220>
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<222> (24)
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<220>
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<220>
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<222> (385)
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<222> (394)
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<222> (395)
<223> n equals a,t,g, or c

<220>
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<222> (396)
<223> n equals a,t,g, or c

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ggaattcccg ggtcgaccca cgcgtccggg acccaacttc tctcaccgcc atggagttcg 120
acctgggagc agccctggag cccacctccc agaagcccgg tgtgggggcg ggccacgggg 180

gagatcccaa gctcagtccc cacaaagttc agggccggtc ggaggcaggg gcaggtccgg 240
gtccaaagca aggacaccac agctcttccg actccaagca gcagctccag cgattcggac 300
acggatgtga aggtaagggg ctctcgcagc gtcccaagca cgtgccctgc accccanaga 360
ggcgtccccg actggggctg gcggngaggg tgcnnngagt ggtcc 405

<210> 2163
<211> 280
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (266)
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<220>
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<222> (272)
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<220>
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<222> (280)
<223> n equals a,t,g, or c

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gcatgtttga ggaaaattat cccgaaacac tgaagcgtct ttttgttgtt aaagccccca 120
aactgtttcc tgtggcctat aacctcatca aacccttcct gagtgaggac actcgtaaga 180
agatcatggt cctgggaggt ggcagtttat gtcagatgga gcggatgttg gttttgggat 240
tttcctgaag accnagatgg gagaanaggc ancgngcagn 280

<210> 2164
<211> 488
<212> DNA
<213> Homo sapiens

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<222> (66)
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cctggntcga cgncgccaaa ttacactgct ccgacaatgt agatttagaa gaggctggaa 120
aagagggtgg aaaaagcagg gaggttatga ggcttaataa agaagatatg cacttatttg 180
gccattaccc agcacatgac gacttctatc tcgtagtgtg cagtgcctgt aaccaggtcg 240
tcaagccaca ggttttccag tcgcactgcg ccgggcctgc aactgttcca ccttctggat 300
cctccttcag cttctctgac tcctgggcca ggtgtgtgca tttagctcca tgctgaagag 360
ctgcagcttc tgcaggacat ttgtaccatc gaggtcaaag gcaacaagaa gtgacatgag 420
tttcagtcca tcttcatgag gttccagtta aggcctgtga attcgcaatt gttcttcccg 480
actgcctg 488

<210> 2165
<211> 502
<212> DNA
<213> Homo sapiens

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<222> (98)
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<222> (126)
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<222> (146)
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<220>
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<222> (149)
<223> n equals a,t,g, or c

<220>
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<222> (151)
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<222> (235)
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nataacctgt cnaanttatc tgatgacana ttaccaangt gctcccccat ccccacagta 120
tagaangatt atttgcatgg gtgcanaana naatggnttg ccgctggant atcaanagan 180
gttaanagcn ttanaaccaa atgactatac ntgaaaggtc tcanaagaaa ntgangacat 240
catcannaag ggggaaacac anactcttta gancataaca gaatatatct aagggtattc 300
tatgtgctaa tatanaatat tattaacact tganaacang gatctggggg atctccacgt 360
tngatccatt ttcannagtg ctctgagagg agtatcttac ttggggtgac tccttgtttt 420
tagactatac tcagaaactg ggatanggag ttanaccatt taaaacgggt gtatganggc 480
ctgnaatatg tgacaantga at 502

<210> 2166
<211> 455
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (83)
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<222> (91)
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<222> (195)
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<222> (219)
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cgttgctgta attgaacggg tcnanatgcc nacgtgagtg agtgggggca tgcttgggaa 120
gcgcaggatg gtactggcac atctaacatc tacacttctc tagctcancc tcacaggcca 180
aagcatcagc accanaacgc acacccancc catccccnna nagaaagaan gaaacagcca 240
agaccccacc cggtgcttgc acaccgcctt tgcacatanc aaaagctcca ngnttactcc 300
ttcctggttg ggaaaanaan atgcctntcc tctccctgga aagacctggg ccctccccgc 360
aggcaacaat ttgcattttg aaaagttatt gggttccttc ctccnggctg tnttcttgct 420
tgttaaccaa aatttttcct nccnaaatta aatnc 455

<210> 2167
<211> 436
<212> DNA
<213> Homo sapiens

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<222> (434)
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<223> n equals a,t,g, or c

<220>
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<222> (436)
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taaaatggac ttgccagatg cccaagataa gttccatgaa ttgatgagcc agctccagaa 120
tcctaaagat tttctgcatt tatttgaaaa aaacatgatt ccagagagga ctgtagagtt 180
ccaacatatc atccccatat ctgcagttac tggagaagga atcgaagaat taaagaattg 240
tataagaaag tcactggatg aacaggccaa ccaggaaaat gatgcacttc ataagaaaca 300
gttgcttaat ttgtggattt ctgatacaat gtcttctact gagccaccat caaagcatgc 360
tgttactact tccaaaatgg atataattta aatatattaa aaatggtatt gatggaacag 420
taaaaaaaaa annnnn 436

<210> 2168
<211> 542
<212> DNA
<213> Homo sapiens

<220>
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tggtacgcct gcaggtaccg ggccggaatt nccggatcga cccacgcgtc cgctggagag 120
agacctttcg aatgtattga atgtggaaag gcctttagta atggttcatt ncttgctcag 180
catcagagaa ttcatacagg agagaaacct tangtgngna atgtgngngn gaaagccttt 240
agccatcgtg gatacctaat tgtacatcag agaattcata ctggngagag accctacgaa 300
tgtaaggaat gtangaaagc cttcagncag tatgcacacc ttgctcaaca tcagagagtt 360
catactggag aanancctta tgaatgtaaa gtattgtnng aaagccttca gncaaattgc 420
ataccttgat caacatcaga gggntcatac tggagagaaa ccctatgaag gtattggaat 480
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<212> DNA
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<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<220>
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<220>
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<222> (375)
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<220>
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<222> (376)
<223> n equals a,t,g, or c

<220>
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<222> (379)
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<222> (388)
<223> n equals a,t,g, or c

<220>
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<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<400> 2169
ataatcggga tcaggtgcgc gttctcgctg ataaacggct gaagtnacca gacggtgcca 60
agncttntnc tttatgcagt ccctgaacta ccaggaagat aaacaccacc atgatggaga 120
tttgcaccag tacaaacagg gtattgaagt tagcgaccag gttgacgctc ttcagattcg 180
cggcggttaa aatggcgacg aggttaccac ccacanccan ggggggcact ttccggggaa 240
gagggcgggg agatagattt tnggccaaca agacgttaat natngggcaa aaanggggnt 300
aattccagcn agggntgnnc caggcngntc cataaantnc cgnngngggg gntnaaatnn 360
gntttntnnn gnggnnggnt attagggncc cnanccgttt annggggaat ttgggggggaa 420
gccatttng 429

<210> 2170
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<400> 2170
gcggacgcgt gggttctagt cgttttcaaa gcgcctcgcg ctgattctca cgggcccggc 60
tgccggcccc cgctctgccc tggattggta gcttatgtcg atcttgatga aagagcaatt 120
gatgctctca gggaatttaa tgaagaagga gctctgtctg tactacagca gttcaaggaa 180
agtgacttat cacatgttca gaacaaaagt gcatttttat gtggagttat gaagacctac 240
aggcagagag agaaacaggg gagcaaggtg caagagtcca caaagggacc tgatgaagcg 300

aagatcaagg ccttgcttga gagaactggt tatactctgg atgtaaccac aggacagagg 360
aagtatggtg gtccttcacc agacagtgtg tactctggcg tgcaacctgg aattggaacg 420
gangtatttg taggcaaaat accaagggat ttatatgagg atgaattggt gccccttttt 480
gagaangccn gacccatttg ggatctacgt cttatgatgg atccactgtc cggcagaata 540
ganggtatgc atttatcacc ttctgnggna aaggaanctg ncaggaagcc c 591

<210> 2171
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<400> 2171
cgcgagccga ccaaaggaac cataactgat ttaatgagct aatacatgcc gacgggcgct 60
gacccccttc gcgggggga tgcgtgcatt tatcagatca aaaccaaccc ggtcagcccc 120
tctccggccc cggcnggggg gcgggcgccg gcggctttgg tgactctaga taacctcggg 180
ccgatcgcac gccccccgtg gcggcgacga cccattcgaa cgtctgccct atcaactttc 240
gatggtagtc gccgtgccta ccatggtgac cacgggtgac ggggaatcag ggttcgattc 300
cggagaggga gcctgagaaa cggctaccac atccaaggaa ggcagcaggc gcgcaaatta 360
cccactcccg acccggggag gtagtgacga aaaataacaa tacaggactc tttcgaggcc 420
ctgtaattgg aatgagtcca ctttaaatcc tttaacgagg atccattgga gggcaagtct 480
ggtgccagca gccgcggtaa ttccagctcc aatagcgtat attaaagttg ctgttg 536

<210> 2172
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<400> 2172
tctagaacta agtggatccc ccgggctntn tgaatttggc acgaggcaac gcctacgggg 60
ggaggntnaa tggcncggac atggaagccc acgctggtca tcctgnggat caaacgggct 120
ggccgatgcn tgcgctgggn ccccaacgag aacaaggttg ctgtgggcaa cggatctngg 180
gaganctcca tctggtattt ccagcaagga gaatgactag gngggtttag caaagcacat 240

naagaagncc at 252

<210> 2173
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<400> 2173
gattttnacc aaatgttaca agaaattcaa gaagtgaaaa ctcctgaaga actagagacc 60
tttatgctta aacatggaga aaatattatt gatactttag gagctgaagt agatagactt 120
gagaaggaac tgaaagtaag atgtattcat aaaaataaca taatgataat ggcagctatt 180
tttttgagta cttactctac agcagacact aagtgcatcc atcacatgca tgctttaacc 240
cactcataac tccacagtgt gtaggtattt ataagcaaga aaatgactgg gttagataag 300
ttgaataatt tacccaagga aatagggaaa ttgngatttg aaccagattc tttacttttt 360
aaacactatt tatgcagcct gcttagtttc taaaatagtc aaaggggttt tttttggttg 420
gtaataaata acattttgaa agtcctanaa naaagatgaa aaggaacttt anactnnggg 480

<210> 2174
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<400> 2174
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cccaggggga gtgagataan cacaccatct ctacagggct tacagcttcn ccatgggctg 120
ctggcccaag aatggacttc tanacatgaa caagggcctc agcctgcaac acataggccg 180
gccccacacc ggcattgacg actgcaagaa acattgccna catcatgaan acactcgcct 240
atcgaggctt catcttcaag cagacatcna anccgttctg attggcccaa gacaagatgg 300
ggcacgacaa ggtnactgtt tggcccaccc aaaatcctcc tctccctcac canaagggaa 360
aaaggaaaat ggcatactct gtgtccagaa tgtcccanct gcctgtnggc tctgcccttg 420
gcgttggctt ttcccttgca agggctntgc ccttgggcct tctggaacaa aacttttttc 480
cccccatccc accctcatct cacccagtat caccctctcc ttgcgggctg ggctagggga 540
accaggatcn cccctctccc tgttcacagg c 571

<210> 2175
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 2175
cacaggcggc tgtgcctaaa caggaggagg ccattcacgc ctcgcctgag ttgtgtccaa 60
ggtgtgcgtg tggccagggg tccatccgct tccctctagc ccagcccctg aacacagctg 120
cagtgcacgg ccccactcct cagctctgct ccccatccca actcgaagac gctgccctgg 180

ccctgtgtgt gcagctcatg tggactggga gggcagggca ggtgcaggtc ttggggcaag 240
agctngagct gtcttttcct tcctgcacag ccgcagagca ggtggatggg gctgcttccc 300
tgcaaggccc cagggccagg ccccctgggg atttattcgt ggcttagaag ggtggggcca 360
gaagcaggcg tagtggggat tagggactca gcacccccag ctctcagtcc agcagacaga 420
cccaccccag gctgactaca gaggct 446

<210> 2176
<211> 452
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2176
gagggaaaag gccttgaagg gccattagac ctgataaatt atatagacgt tgcccagcaa 60
gatggaaagt tgccttttgt tcctccggag gaagaattta ttatgggagt ttccaagtat 120
ggcataaaag tatcaacatc agatcaatat gatgttttgc acaggcatgc tctctactta 180
ataatccgga tggtgtgtta cgatgacggt ctgggggcgg gaaaaagctt actggctctg 240
aagaccacag atgcnagcan tgaggaatac agactgtggg tttatcangt gcaacannct 300
ggaacaanca caagccattt gcanggctnt atacaccgct tttgactctg tattaacatc 360
tgagaaaccc ttgnatcctt nnaattaagt agaagnctaa cttnatctga aaagttcatc 420
tgttttcaaa ctgcaatgct gaaatgttat tg 452

<210> 2177
<211> 368
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<400> 2177
ccgccgcggt acacggccgt atattactgt gcgagagatc ccacggagag atggctgtca 60
cagaaatccg tactactttg actactgggg ccagggaaac cctggtcacc gtctcctcag 120
cctccaccaa gggcccatcg gtcttccccc tgggcaccct cctccaagag cacctctggg 180
ggcacacggg ccctgggctg cctggtcaag gactacttcc ccgaaccggt naggtttctt 240
ggaaactcag gcgcccctnac cagcggggtt tcacaccttc ccgggtgttc ctacagtcct 300
caggantcta ctcccctcagn agnttnntta accgtgccct cccagaagct tggggaccaa 360
aaactact 368

<210> 2178
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<400> 2178
gcaccattcc ggggccccaa ggaccgggcc cgcaagttgg ccgaggtggg cagccacgag 60
aaggtggggc agnacccatg ctgcgtgcgg ctggagcagg cctgggagga gggcggcatc 120
ctgtacctgc agacggagct gtgcgggccc agcctgcagc aacactgtga ggcctggggt 180
gccagcctgc ctgaggccca ggtctggggc tacctgcggg acacgctgct tgccctggcc 240
catctgcaca gccagggcct ggtgcacctt gatngtcaag cctgccaaca tcttcctggg 300
gccccggggc cgctgcaagc tggttgactt cngactgntg gtanacttgg gtacagcna 359

<210> 2179
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<400> 2179
gcggcacgag caatcatata ccaaatctct ccctcactaa acgtaagcct nctcctcact 60
ctctcaatct natccatcat agcaggcagt tgaggtggat taaaccaaac ccagctacgc 120
aaaatcttag catactcctc aattacccac ataggatgaa tnntagcagt tctaccgtac 180
aaccctaaca taancattct taatttaact atttatatta tcctaactac taccggatnc 240
cnactactca actnngggtc cagcaccacg ancctacnan tatctcgnan ctgaannaat 300
ctaacatgac taacaccctt aantccatcc accctcctct ccctangaag cctgcccccg 360
ntnaccggct ttgagcccag atgggccatt gtccaaaaaa acacctnaaa c 411

<210> 2180
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<400> 2180
gctcgcgccg aggggctgcg agagtgaccg cggctgctcc agcgctgacg ccgagccatg 60
gcggacgagg agcttgaggc gctgaggaga cagaggctgg ccgagctgca ggccaaacac 120
ggggatcctg gtgatgcggc ccaacaggaa gcaaagcaca gggaagcaga aatgagaaac 180
agtatcttag cccaagttct ggatcagtcg gcccgggcca ggttaagtaa cttagcactt 240
gtaaagcctg aaaaaactaa agcagtagag aattacctta tacagatggc aagatatgga 300
caactaagtg agaaggtatc agaacaaggt ttaatagaaa tccttaaaaa agtaagccaa 360
caaacagaaa agacaacaac agtgaaagta agtgtcccca gatgcttgtg gcaaatgaaa 420
agatggatac tttaaagatt aatgttgagt atacatctac cacacatatt tttcagccca 480
gagacatttt tccttttgtc aaacacgtga aagtttgggg agaaaggctg aatctgttgn 540
gggagggttc taatttttta taggctcttt gactccattc ccacccttt aagttcacgc 600
ttaagttggt 610

<210> 2181
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<400> 2181
gaggtaacca cgtttcagct cgctgtattg tttgcatgga accaaagacc cagagagaaa 60
atcagctttg aaaatcttaa gcttgcaact gaactccctg atgctgaact taggaggact 120
ttatggtctt tagtagcttt cccaaaactc aaacggcaag ttttgttgta tgaacctcaa 180
gtcaactcac ccaaagactt tacagaaggt accctcttct cagtgaacca ggagttcagt 240
ttaataaaaa atgcaaaggt tcagaaaagg ggtaaaatca acttgattgg acgtttgcag 300
ctcactacag aaaggatgag agaagaagag aatgaaggaa tagttcaact acgnatacta 360
agaacccagg aagctatcat acaaataatg aaaatgagaa agaaaattag taatgctcag 420
ctgcagactg aattagtaga aattttgaaa aacatgttct tgccacaaaa ggaaatgata 480
aaagtgcaat agagtggcta atag 504

<210> 2182
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 2182
gatgaccggc tgcgggaaga gcgggcgcac gcgctcaaga ccaaggaaaa gctggcacag 60
accgccacgg cctcatcagc agctgtgggc tcaggccccc ctcccgaggc ggagcaggcg 120
tggccgcaga gcagcgggga ggaggagctg cagctccagc tggccctggc catgagcaag 180
gaggaggccg accagccccc gtcctgcggc cccgaggacg acgcccagct ccagctggcc 240
cttagtttga gccgagaaga gcatgataag gaggagcgga tccgtcgcgg ggatgacctg 300
cggctgcaga tggcaatcga ggagagcaag agggagactg ggggcaagga ggagtcgtcc 360
ctcatggacc ttgctgacgt cttcacgggc ccagcttctg cccgaccaca gacccctggg 420
ggggcccaca cccatgggtt gntgccgtcc cacgggttgc ccaacttgga cccctggggc 480
gggccccctg tnccttcanc tgctgnatcc cctggggaag gttcaan 527

<210> 2183
<211> 333
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (328)
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<400> 2183
gccntngcgt ccgatttaaa tgacatctat gaggaagagc catttaattt tcaaatggtc 60
tataatgagt ttcagaagtt tgttcaaagg aaagcacatt ccgtttataa ttttgaaaaa 120
cctgttgtca tgaaggcttt tgaacacttg cagcaattag aattaataaa gcccatggaa 180
agaacttcag gaaattcaca gagagagtcc agctgatgaa actgcttttg gataatactc 240
aaattatgaa tgctctgcag aaaatatccc aactggncta cagatgngaa gccangggcc 300
acatcctact taacctgggt ntggaatnta acc 333

<210> 2184
<211> 230
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<220>
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<222> (226)
<223> n equals a,t,g, or c

<400> 2184
gctcgtgccg aattcggcac gagtttggac caatccacaa ataaaattgt ctctgactga 60
gaaagatgag gggcaggagg agtgtagttt ccttgtagcc ctgatgcaga aagatagaag 120
gaaactcaag agatttggtg ccaatgtgct gacaatcggc tatgccattt ataattgccc 180
taacaaaaac aaannctnaa acaaaaatcc tccaaatccc ncctcnctcg 230

<210> 2185
<211> 418
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

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<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
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<222> (402)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

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<222> (415)
<223> n equals a,t,g, or c

<400> 2185
tnnccacnac tnctatnggg aaagctggta cgcctgcagg taccggtccg gaattcccgg 60
gtcgacccac gcgtccgaag gctttgaaga gaggctccct gctgggctgc ttcattgata 120
ccagaagtgc tgcagaatct gaggcccgga cgccgtttgg tcttattaag ggtcatgcct 180
acagtgtaac gggaattgac caggtaagct tccgaggcca gagaatcgag ctcatccgaa 240
tccggaaccc ttggggccag gttgagtgga acgggtcgtg gagcgacagt tctccggagt 300
ggcgttctgt tgtccaactg agcanaagcg tctgtgtcac actgntctgg atgatgggga 360
attctggatg gcatttaagg acttaaggcc cctttgataa antgganatc tgcancct 418

<210> 2186
<211> 512
<212> DNA
<213> Homo sapiens

<220>
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<222> (401)
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<222> (438)
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<220>
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<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
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<222> (499)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (511)
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<400> 2186
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gaacaaccag ctgctgcact tcgccttccg ggaggacaag cagtggaagc tgcagcagat 120
ccaggatgcc agaaaccatg tgagccaagc catttacctg cttaccagcc gggaccagag 180
ctaccagttc aagacaggcg ctgaggtcct caagctgatg gacgcagtga tgctgcagct 240
gaccagagcc cgaaaccggc tcaccacccc cgccaccctc accctccccg agatcgccgc 300
cagcggcctc acgcggatgt tcgcccctgc cctgccgtcc gacctgctgg tcaacgtcta 360
catcaacctc aacaagctct gcctcacggt gtaccagctg natgccctgc agcccaactt 420
caccaagaac ttcgccanct gggggcgcgg ngctgcataa ccctggggcc atgttcnaat 480
ggggctttaa cgcctggang tgaaccacgt nc 512

<210> 2187
<211> 458
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (90)
<223> n equals a,t,g, or c

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<222> (98)
<223> n equals a,t,g, or c

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<222> (131)
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<220>
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<222> (202)
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<220>
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<222> (231)
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<220>
<221> misc feature
<222> (246)
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<220>
<221> misc feature
<222> (284)
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<222> (302)
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<222> (310)
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<220>
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<222> (420)
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<222> (421)
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<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 2187
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tggtgctgcc agctttatna tggtggnccn cctagccntc aatgtttcca aggcccgcaa 120
gaagtacaaa ntggagtgga cacttccatt angattctca cacactcaat ttctgttctt 180
ctattaaggg aaatcttaaa angatgtggt atttgatgac tcttaagaag ntctatatcc 240
ctacantatc tttgtgatgc atctgaaatc cccattgatg cttnacgtca atgaaaagca 300
cngaattggn gcaaagctgc ctctttccct tntgcaacta cagcgcaaan atacatcctt 360
attcctggat atttaataaa aacattgact ctgcttctga aaattgaaaa ccttgtcncn 420
nnaattttta accaaaattg aatggtctct tcnagggt 458

<210> 2188
<211> 337
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (44)
<223> n equals a,t,g, or c

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<222> (62)

<223> n equals a,t,g, or c

<220>
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<222> (105)
<223> n equals a,t,g, or c

<220>
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<222> (153)
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<220>
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<222> (160)
<223> n equals a,t,g, or c

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<222> (171)
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<222> (178)
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<222> (225)
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<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<400> 2188
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gngcccaagg tctgcgtcac cgtcctgccc cccgacgaga gcggncggcc ccgcaggagt 120
ttttcggagc tgtacacgct gtcgctgcag gancctagcn ggcggggggc nccagatnct 180
gtgcaggatg aggtcnaggg ggtgaccctg ctgtccacca naaancagnt gctgcacctg 240
tgcctgcaag atggtggtaa gtcctccang gcctggngat ctggccnagg agangactga 300
gttcctgcac agtcagaact cgctgtnact acgcaag 337

<210> 2189
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (481)
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<220>
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<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
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<222> (524)
<223> n equals a,t,g, or c

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gggagcaaac tttacccggg catcgaacat cacaatgatc ctgaaaggaa ccagtacctg 120
tgataaggat gtgtgagtcg aaatactaat aatttatcct cggtaacgta acgctcaaac 180
ctgtgccaaa ggaatatcag tgtgattata accttaatat agtcaaatta ttgccatgcc 240
ccaaagcagg ccaattagtc agagtatttg acataatata attccaacac gtaaaataat 300
tttcacaaca gatctgaagt tcattgngag agaatctgtt ctgtgttatt ccccaaaaat 360
ctcaagtata tagtcatttc aagatgttgc ctggttgggg tcttgattca ttttcagtaa 420
caaaatcaag tatatggagt acaaacatna ttctttaagg tgatgcactt tggaaaaaaa 480
nntgagtccc ttgnaatttg atgaaggaat tttttgggag caantt 526

<210> 2190
<211> 553
<212> DNA
<213> Homo sapiens

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<220>
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<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (24)
<223> n equals a,t,g, or c

<220>
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<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
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<222> (344)
<223> n equals a,t,g, or c

<220>
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<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
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<220>
<221> misc feature
<222> (451)
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<220>
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<222> (477)
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<220>
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<222> (480)
<223> n equals a,t,g, or c

<220>
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<222> (489)

<223> n equals a,t,g, or c

<220>
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<222> (519)
<223> n equals a,t,g, or c

<220>
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<222> (523)
<223> n equals a,t,g, or c

<400> 2190
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gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgcggacgcg tgggtgggca 120
tgcagctgga cagagcaagc agctctctgt atgttgcgtt ctctacctgt gtgataaagg 180
ttccccttgg ccggtgtgaa cgacatggga agtgtaaaaa aacctgtatt gcctncagag 240
acccatattg tggatggata aaggaaggtg gtgcctgcag ccatntatca cccaacagca 300
gactgacttt tgagcaggac atagagcatg gcaatacaga tggnctgggg gactgtcaca 360
attnctttgt ggcactgaat gggcattcca gttncctctt gcccagcaca accacatcag 420
attcgacggc tcaagagggg tatgagacta ngggaggaat gctggactgg aagcatntgn 480
ttgactcanc tgacagcaca gacccttgg gggcaaggnc ttnccataat caccaaagac 540
aagaagggag tga 553

<210> 2191
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (597)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<220>
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<222> (610)
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<220>
<221> misc feature

<222> (611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<400> 2191
gcatgggagc tgttcagcag tttaacttag atgtcataca gtgtgaattg tttgccagct 60
ctgagcctgt gccaggattc caggggggata ccctgcagct agcattcatt gacctcagac 120
aactccttga cctgtttatg gtttgggatt ggtctactta cctagctgat tatgggcagc 180
cagcttctaa gtaccttcgg gtgaatccaa acacagccct tactcttttg gagaagatga 240
aggatactag caaaaagaac aatatatttg ctcagttcag gaagaatgat cgagacaaat 300
agaagttgat agagacagtc gtgaaacagc tgagaagttt ggtgaatggt atgtcccagc 360
acatgtagac ctcacatggc ttgcactcag tgacaccaaa tccatgattc aatgttgatc 420
ttgagcaagt attggtcatg atacagtaat ttgtttacag aatccaaaaa tacaatagag 480
aagatacatg agggcttaaa caagaaatag taataaatat cattngtatt ggatttttaa 540
ataatcgatc tattttatat atggaaaaaa aatgaccatt ttttcacttt taggggnaaa 600
attgcnaaan nngtaatact taaattg 627

<210> 2192
<211> 343
<212> DNA
<213> Homo sapiens

<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<400> 2192
ggggaccact ntcttcttgg tacttctcag attttttttt ctttataacc cgtatgaatg 60
gtaggatcat tccttttttt gttccattta gagaaataac gtatgcagtg ggacccaaat 120
tctttttcac tcattgcatt attttgctct aaatacaggt aagtgtgtta acagaccagg 180
tggaggctca gggagagaag attcgagatt tggagttttg cttgaagagc acagagagaa 240
gttgaatgcc acagaagaaa tgctggaana ggtatgtcaa aggccagaac caagatggga 300
ttccctgntg aactntgtga natgctgcat tctntgttgg gtt 343

<210> 2193
<211> 642
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (624)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<400> 2193
gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg 60
agaagacgac agaaggggtt ttcgcaacgg gtttgccgcc agaacacagg tgtcgtgaaa 120

actaccccta aaagccaaaa tgggaaagga aaagactcat atcaacattg tcgtcattgg 180
acacgtagat tcgggcaagt ccaccactac tggccatctg atctataaat gcggtggcat 240
cgacaaaaga accattgaaa aatttgagaa ggaggctgct gagatgggaa agggctcctt 300
caagtatgcc tgggtcttgg ataaactgaa agctgagcgt gaacgtggta tcaccattga 360
tatctccttg tggaaatttg agaccagcaa gtactatgtg actatcattg atgccccagg 420
acacagagac tttatcaaaa acatgattac agggacatct caagcttgac tgtgcttgtc 480
ctgattggtt gcttgctggt gttggtgaat ttggaagctg gnatcttcca agaatgggca 540
agaccccgag agcattgccc tttctggntt acaccacttg ggtggggaaa caacttaaat 600
ggcgggggnt naacaaaaat gganttccac ttgggcccnc cc 642

<210> 2194
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<400> 2194
gtgaaaaacc atatggcata gttgaaaaga agtccagaat attccctggt gatacaattc 60
tggagactgg agaagtaatt ccaccaatga aagaatttcc tgatcaacat cattaaagat 120
tatgtaaaaa gttaaaaggc ttatgagcct aagtttgttc ctatattacc atatttactg 180
aattttctgg aaannntaact tttaaataaa antttaatct cagaaatttg tcattgnnc 239

<210> 2195
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
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<222> (235)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<400> 2195
gcgggcgcag acggcggcag tgcggcttgc tcttggaagt tcaggctcgg ttgtcttttg 60
ggagccatgg agagtgactt ttatctgcgt tactacgtgg ggcacaaggg caagttcggc 120
cacgagttcc tggagtttga gtttcgaccg gacgggaagt taagatatgc caactcagct 180
gctgctgntt ccatgtgttc tgggttcana ggtcatggct ncaccggtca gagcnctgag 240
tgnctcaggg tttggcaatg gaatttttaa tgtaataaat ctttatngaa 290

<210> 2196
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
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<222> (365)
<223> n equals a,t,g, or c

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cacccaagac cgagactggg aggcgtattg gcggctactc tttaaaaaga tatctttaga 120
ggacattcaa gcttttgaaa agacatataa aggttcggaa gaagagctgg ctgatattaa 180
gcaggcctat ctggacttca agggtgacat ggatcagatc atggagtctg tgctttgcgt 240
gcagtacaca gaggaaccca ggatgaagga ntatcattca gcaagctatt gacgccggag 300
aggtcccatc ctntnaatgc ctttgttcaa agattcgaaa caaaggtgna tgcaagggaa 360
aaggngggct caggang 377

<210> 2197
<211> 541
<212> DNA
<213> Homo sapiens

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<222> (304)
<223> n equals a,t,g, or c

<220>
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<222> (523)
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gaccctgact ggtaagacca tcaccctcga antggagccg agtgacacca ttgagaatgt 120
cgaggcaaag atccaagaca aggaaggcat ccctcctgac cagcanangt tgatctttgc 180
cggaaaacag ctggaaaatg gtcgnnccct gtctgactac cacatccaaa nagatccacc 240
ctgcacctgg tgctccgtct canangtggg atgcaaatct tccngaagac ctgactggta 300
anancatcan tctcgaantg gaccaaatgn cacnttgaca atatcgnngc tagatcccan 360
acaaagaaag ngnccctcct gaacancana agttgatctt ttggtgggga aacanttgga 420
anatggaccc ccctgtcttg actacnacat cccgaaagat ttccccccct gcnccttggg 480
tgctncccnc ctttataang tgggggatgc aaaatcttcc ctntcaaaaa accccgaatt 540
g 541

<210> 2198
<211> 282

<212> DNA
<213> Homo sapiens

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<220>
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<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
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<222> (195)
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<222> (214)
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<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
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<222> (268)

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<400> 2198
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acgccangct ctaatacgac tcactatagg gaaagctggt acgcctgcag gtaccgggcc 120
ggaattcccg ggtcgaccca cgcgtccggg gttcagagct ttctggagng atatcttcag 180
cttgtgatna agagncaaat atggaacgaa gagngatcac gatttctaaa tcagaatatt 240
ctgngcactc atctttggca tccaaagntg atgttgagca gg 282

<210> 2199
<211> 507
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (97)
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<220>
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<222> (188)
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<220>
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<220>
<221> misc feature

<222> (312)
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<220>
<221> misc feature
<222> (322)
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<220>
<221> misc feature
<222> (404)
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<220>
<221> misc feature
<222> (418)
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<220>
<221> misc feature
<222> (474)
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<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
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<222> (507)
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<400> 2199
ggcgttcttg gcgtcgggac cctacctgac ccatcagcaa aaggtgttgc ggctttataa 60
gcgggcgcta cgccacctng agtcgtggtg cgtccanaga gacaaatacc gatactttgc 120
ttgtttgatg agagcccggt ttgaagaaca taagaatgaa aaggatatgg cgaaggccac 180
ccagctgntg aatgaagccc anggaaagaa ttctggtacc gcagnattna cagccataca 240
tcttccctga ctctcctggg ggcacctcct atgagagata cgattgctac aaggtcccan 300
aatggtgctt anatgacttg gnatccttct gagaaggcaa tgtatcctga ttactttgcc 360
aagagagaac agtggaagaa actgcggagg gaaagctggg aacnagaggt taagcagntt 420
gcaggaggaa acgccacctg gaggtccttt aactgaaagc ttttgccccc tgcncgaaan 480
gaangtgatt ttgcccccac ttgtggn 507

<210> 2200
<211> 331

<212> DNA
<213> Homo sapiens

<220>
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<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<400> 2200
gcgctgttgc ttgggaaaaa gggcatcgag aagaacctgg gcatcggcaa agtctcctct 60
tttgaggaga agatgatctc ggatgccatc cccgagctga aggcctccat caagaagggg 120
gaagatttcg tgaagaccct gaagtgagcc gctgtgacgg gtggccagtt tccttaattt 180
atgaaggcat catgtcactg caaagccgtt gcagataaac tttggatttt aaattgcttt 240
ggngatgatt actggattga catcatcatg ccttccaaat tgggggtggc tctgnggccc 300
cttaataaag ccgncttgat tttaaaaaan n 331

<210> 2201
<211> 476
<212> DNA
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<222> (137)
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<220>
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<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<400> 2201
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tgagacgctt cactgaacat aactccagtc caaatgtcag tggaagcctc tcctctgggc 120
tgcagaaaat atttgangac cccactgaca gtgatttgca taaactaaaa tctccaagcc 180
aggacaacac agacagctac ttcagaggga aaacattatt gctggttcag caagcctcct 240
ctcagagcat gacttattct gaaaaggatg aaagggaaag tagccttcct aatggtcgga 300
gcgtctccct catggacctc caggncactc atgctgctca agtggagcat gcatctgtca 360
tgcttgatgt gcctatacgc ttgaccggaa gccagctttc cataacccag gtggccagca 420
tcaaacagct gcgggaaacc cagagcactn cccaaagtgc accccaagtg agaagg 476

<210> 2202
<211> 209
<212> DNA
<213> Homo sapiens

<220>
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<222> (7)
<223> n equals a,t,g, or c

<220>
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<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
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<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
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<222> (102)
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<220>
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<222> (121)
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<220>
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<222> (161)
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<220>
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<222> (184)
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<220>
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<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 2202
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cgacgncata cactcttcta tagtagcnac ctacantcaa tncactggcc gtcgttcaac 120
nacgagcacg actgggaaaa ccctggagct acccaactta ntacgccttg cagcacatgc 180
cccnntcntc agctggcgta ataagggaa 209

<210> 2203
<211> 311
<212> DNA
<213> Homo sapiens

<220>

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<222> (186)
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<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<400> 2203
gcagcggcca cagcaattat atggtggact ggtaccaaca gagaccaggg aagggccccc 60
ggtttgtgat gcgagtgggc actagtggag ttgtgggacc caggggggat ggcatccctg 120
atcgcttctc agtcttggcc tcaggcctga gtcgggacct gaccatcacg aacatccagg 180
aaagangatg agagtgacta ctactgtggg acagatcatg gcagtgggaa caacttcctg 240
tcngtttttc cgcggaangg aaccaaactn aaccgtccta ctttcagccc caaggntgcc 300
ccccccngtt c 311

<210> 2204
<211> 377
<212> DNA
<213> Homo sapiens

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<222> (55)
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<220>
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<222> (93)
<223> n equals a,t,g, or c

<220>
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<222> (214)
<223> n equals a,t,g, or c

<220>
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<222> (268)
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<220>
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<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
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<222> (366)
<223> n equals a,t,g, or c

<400> 2204
ggacctttgg agttccagct taagggtatc agcctccctg gctgatgtaa gtcanaggcc 60
tcttataccc actttgatga ggaaggactg tanagttgat gccaggcaga aacaggcaca 120
tatgtgtgtc ttctgcctct ccccagatcc tgtacttcac caatggccat ctgtatccaa 180
ctggttctaa atcaaacggg tcagcctgct tcanaacccc cccacagtgg ggggtggcac 240
actgaaactg actgacgtcc accctcanat actggaacct acctctgcca antcaacaac 300
ccacccanat ttctacccca atnggtttgg ggctaatcca accttactgt ncttgttccc 360
cccccnttat cccctta 377

<210> 2205
<211> 465
<212> DNA
<213> Homo sapiens

<400> 2205

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<220>
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<220>
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<220>
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<222> (145)
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<220>
<221> misc feature
<222> (187)
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<220>
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<222> (190)
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<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
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<220>
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<222> (262)
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<220>
<221> misc feature
<222> (273)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 2206
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ggtacccggt ccggaattcc cgggtcgacc cacgcgccct ttnntngccn gggtgcagcc 120
ctgntggcag ggggcatttg ggngncaatc gatggggcat cctttctgaa gatcttcggg 180
ccactgncgn ccagtgccat gcagttngtc aacgtgggct actncctcat cgcagccggc 240
gtagtggtct ttgctcttgg antcctgggc tgntatggtg ctaagactga gagcaagngn 300
gccctcgtga cgtacttcta catcctcctc cn 332

<210> 2207
<211> 452
<212> DNA
<213> Homo sapiens

<220>
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<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
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<222> (405)
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<220>

<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<400> 2207
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ggactttact ggtgttctcc ttccagaact agtagtttct atagtgcttc tgctcagtaa 120
aaatgctggt ctcatgcaag aggctggagc tgtacctntg ctgggtggcc tgttggaaca 180
tctggatcgg ttcaaccatc tggcaccagg aaaggaacgg gatgatcatg aagagttagc 240
ctgcctggca taatggagtc atttttaca ggtcagaact gtagaaataa tgaggaagtg 300
acacttatac gcaaagctga tttggagaac cataataaan atggangctt ctggactgtg 360
attgacggga aggtgtatga tataaaggga ctttcagaca cagtnggtaa caggaaatan 420
tattctgctt aanttgnaag ggaaagaacc an 452

<210> 2208
<211> 295
<212> DNA
<213> Homo sapiens

<220>
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<222> (12)
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<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
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<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
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<222> (248)
<223> n equals a,t,g, or c

<220>
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<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 2208
gatttaatta tnnnctagat tgtctgggca acggcagaac ggagtgccac tgtggagcan 60
ataactgcag tggttttcta ggagtgcggc caaagtcggc atgtgcgtna acaaatgaag 120
agaaggcaaa aaatgctaag ttaaaacaga agagacgaaa gatcaaaaca gaaccaaagc 180
atatgcatga agattactgt tttcaatgtg gagatggtgg anagctggtc atgtgtgaca 240
aaaaagantg tccaaagtat accaccttcc tattgccntn aanctgactt aagcc 295

<210> 2209
<211> 400
<212> DNA
<213> Homo sapiens

<220>
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<220>

<221> misc feature
<222> (332)
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<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<400> 2209
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atgcagcana agcagaaaaa ggcaaacgag aagaaggagg aacccaagta gctttgtggc 120
ttcgtgtcca accctcttgc ccttcgcctg tgtgcctgga gccagtccca ccacgctcgc 180
gtttcctcct gtagtgctca caggtcccag caccgatggc attccctttg ccctgagtct 240
gcagcgggtc ccttttgtgc ttccttcccc tcaggtagcc tctctccccc tgggccactc 300
ccgggggtga gggggttacc cctttccagt gnttttttatt cctgnggggc ttaccccaaa 360
agtattaaaa agtagctttg naattcaaaa aaaatntant 400

<210> 2210
<211> 381
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (164)
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<220>
<221> misc feature
<222> (265)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<400> 2210
gtgnaacgtc cgacagaacg aggggacgta acggaggcag gttggagccg ctgccgtcgc 60
catgacccgc ggtaaccagc gtgagctcac ccgccagaag aatatgaaaa agcagagcga 120
ctcggttaag ggaaagcgcc gagatgacgg gctttctgct gctncccgca agcagaggga 180
ctcggagatc atgcagcaga agcagaaaaa ggcaaacgag aagaaggagg aacccaagta 240
gctttgtggc ttcgtgtcaa ccctnttgcc cttcgcctgt gtgcctggaa ccaagtccca 300
ccangctcgc gtttcctcct tgtagtgctc acaggtccag naccgatggn attccctttg 360
cccttgantc tgcaacnggg g 381

<210> 2211
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<400> 2211
ggncagngna aaaagtgtgn cctccatatc cccaagaaat gagtgcttta gcgaaagnac 60
ctaattcagc gtcttttgat gaaagatccc aagaagagat tgggatgtgg tccacgtgat 120
gcagatgaaa tcaaagaaca tctcttcttt cagaaaataa attgggatga tttagccgcc 180
aaaaaagtgc ctgcaccatt taagccagtc attcgagatg aattagatgt gagtaacttt 240
gcagaagagt tcacagaaat ggatcccact tattctcccg cagccctgcc ccagagttct 300
gaggaagctg tttcagggct attctttgtt gctccttcca tcctattcaa acgtaatgca 360
gctgtcatag accctcttca gtttcacatg ggagttgaac gtctggagtg acaaatgttg 420
ccaggagtgc aatgatgaag gactctncat tctatca 457

<210> 2212
<211> 384
<212> DNA
<213> Homo sapiens

<400> 2212
tgaaaaggac tcttggaaag tgaaaacttt agatgaaatt cttcaggaaa agaaacgaag 60
gaaggaacaa gaggagaaag cagagataaa acgcttaaaa aataacaacg cttcttcggt 120
gaagttcttt tgtacttcca aatgtcgcag tctgatgacc gggattccaa gcgggattcc 180
cttgaggagg gggagctgag agatcaccgc atggagatca caataaggaa ctccccgtat 240
agaagagaag actctatgga agacatctcc ccacaactgc cactgctcac caggacaagc 300
tgcccttcct gtctccacct ctcagtcccc ctagaatgga tggctggggg agaggtggag 360
gctgacagct gagacgtagt gtca 384

<210> 2213
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (136)
<223> n equals a,t,g, or c

<400> 2213
gaactgtctt cagtagttag ttcaagtgga acagagggtg cttccagttt ggagaaaaag 60
gaggttccag gagtagattt tagcataact caattcgtaa ggaatcttgg acttgagcac 120
ctaatggata tatttnagag agaacagatc actttggatg tattagttga gatggggcac 180
aaggagctga aggagattgg aatcaatgct tatggacata ggcacaaact aattaaagga 240
gtcgagagac ttatctccgg acaacaaggt cttaacccat atttaacttt gaacacctct 300
ggtagtggaa caattcttat agatctgtct cctgatgata aagagtttca gtctgtggag 360
gaagagatgc aaagtacagt tcgagagcac agagatggag gtcatgcagg tggaatcttc 420
aacagataca atattctcaa gattcagaag gtttgtaaca 460

<210> 2214
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)

<223> n equals a,t,g, or c

<400> 2214
ggtacagtcc ggagctgagg ngaaggngtc cggggagtct ctgagcatct cctgtcaggt 60
gtctggatac accctcacca gttattggat caactgggtg cgccagatgc ccgggaaagg 120
cctggagtgg atgggcaggc ttgatccttc tgactctttt atcaattaca atccgtcctt 180
cgaaggccac atctccatct cagctgacaa gttcatcagc accgcctatt taaagtggaa 240
caccttggag gcctcggaca ccgccatgta ttactgtgcc ctttccgggc gacaacaact 300
cgtccccgtc tactggggcc agggaaccca ggtcanccgn cttcttanca atcccganca 360
gncccaaagg ctttccgctg aacctttg 388

<210> 2215
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<400> 2215
naattcggca nagccaaaat gtaccggggt gtgctggatg ccacgcagag gcagcttaca 60
gtcaccgtga ctnagnaagt tctcagtgag gttcaaggag aacagtgtgg ctgtcaaggt 120
cgtccagggc cctgcaggtg gtgacaacag naagntacgt tacaaaaaaa aggggagtca 180
ttgcttggng gtgactntgc agttaggagg gggcaccatg cagagatggc anttncttcc 240
tcctgaacca gcactaatcn cnctttgncc tnnctttttt ggggggttnt ttaancncnt 300
tnnntngggg gggnangggt tnggggttta aantnccctt ttgggggggaa aaaaaaaaaa 360
aaaattttgg ggggggggnc cccg 384

<210> 2216
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<400> 2216
gattgaacag aagtatgcca tatagtacaa ttacagctat gttacaggat caaaattaat 60
ttcaaacctt ccaaccaacc ctataagccg tctcatcagt ctctaataga ctcattttca 120
gctattagat atggatgata tatgatgatt ncattatcat atttttcaag gacttactta 180
ntggctgatt atcagtggta aatcctccaa ngagaaaatn gatgatctga agaaactggn 240
gttagtgagt gccaagattn gaccaantgg gcatatgcct tgtggaatt 289

<210> 2217
<211> 408
<212> DNA
<213> Homo sapiens

<400> 2217
ctgggagcgc ctgccttctc ttgccttgaa agcctcctct ttggacctag ccaccgctgc 60
cctcacggta atgttggact cggtgacaca cagcaccttc ctgcctaatg catccttctg 120
cgatcccctg atgtcgtgga ctgatctgtt cagcaatgaa gagtactacc ctgcctttga 180
gcatcagaca gcctgtgact catactggac atcagtccac cctgaatact ggactaagcg 240
ccatgtgtgg gagtggctcc agttctgctg cgaccagtac aagttggaca ccaattgcat 300
ctccttctgc aacttcaaca tcagtggcct gcagctgtgc agcatgacac aggaggagtt 360
cgtcgaggca gctggcctct gcggcgagta cctgtacttt caattcct 408

<210> 2218
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<400> 2218
ccaaccctca ctaaagggaa caaaagctgg agctccaccg cggtgncggc cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcacgaggaa aattgaacaa gatggacggg 120
tccaggaaag aggaggagga agacagcaca ttcaccaaca tttctcttgc agatgacata 180
gaccattcct caagaatttt gtatccaagg cccaaaagtt tgttacccaa gatgatgaat 240
gctgacatgg atgatctctc tgcaagagta gatgcagtta aggaagaaaa tctgaagcta 300
aaatcagaaa accaagttct tngacaatat atagaaaatc tcatgtcagc ttctagtgtt 360
tttcaaacaa ctgacacaaa aagcaaaaga aagtaaggga ttgacaccct tctgttttat 420
ggaattnctg ctgatcattt tttctttaaa acttggatag attccaaaag ttacagtacc 480
tttgtggctt cattgaatat ttatgaagat aatgtcagat gtagacaaaa ataacacaat 540
aacaggagac ttncataagt ttgtgtatta tgttagtcta tgaaaacgtg caaatgtatt 600
gtagagactt tatg 614

<210> 2219
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (608)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (628)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (629)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (651)
<223> n equals a,t,g, or c

<400> 2219
gaaaagaaaa aaaatctctc cccgttgaac aaaagatgca aagcgattga gagggtccaa 60
agttatttta ttgatcaact gaataaatat acataaatgt tactttcttt ttctttactt 120
tatttttttt tccccattcc agatcctggg tgtttggctg acctacagat acaggaacca 180
gaaagacccc cgcgcgaatc ctagtgcatt cctttgatga gaaaacaagg aagatttcct 240
ttcgtattat gatcttgttc actttctgta attttctgtt aagctccatt tgccagttta 300
aggaaggaaa cactatctgg aaaagtacct tattgatagt ggaattatat atttttactc 360
tatgtttctc tacatgtttt tttctttccg ttgctgaaaa atatttgaaa cttgtggtct 420
ctgaagctcg gtggcacctg gnaattaatg ggattcaatg gccggcactn gnccnttggg 480
ccttnttaag catttttacc tggcaaaaaa actttggttg ggacccctgg ggttgggtta 540
atatggggaa atctgaacgt anaattttaa ctgggaataa ataatatgaa ccctgggctg 600
gggaaaangg tcctactggn aaaaaganng ggaaattatt aaaatcagaa n 651

<210> 2220
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<400> 2220
tgganggaaa gtggactccc cgccgtngcn gccactctaa aactantgna tcccccgggc 60
tgcatgaatt cggcacgagg gctgttgcgc accctgcacg gggcgcgtca catggtccgg 120
gacgcaccgg aaattccgca aggtggcagt ccagccncct gctcangatt ccggcctaac 180
ccggagctga cggaggcnct gaccaccagc ttcgtgcgga ggctgttctg gggtagccng 240
ggcgcgngaa ctccgctcgc tgaanctttg agaactncca gcgcatcctc nagcgatcct 300
gtctcagcgc ctgngagcct gaccgctgaa nagcncngac aaccttcttc gtaccncggg 360
acccccaggt ttttgcgaat cccngaataa ancnngggag tcgtcacngg ctcctcgcgc 420
ctcaaggtgg aaatcntggc ctgtgcctcc caaaacaaag tggggaaccc agtctcggtc 480
acctgggaac atggtgaaca tgtgaatgca anatctgggn atcggaagnc ngaattncaa 540
atgtgactcc acctcttgtg aagccgtga 569

<210> 2221
<211> 414
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<400> 2221
gcccacgcgt ccgggaggat gagcaattcc ccagcatacc ggctctggtt cacagttata 60
tgacaggcag gcgcccactg tcccaggcca caggggctgt ggtctccagg cctgtgactt 120
ggcaggggcc tctgcgacgc agctttagcg aggacaccct gatggatggc ccagctcgga 180
tagagcctat cagggcaagg aagtggagca acagtcagcc tgcagatttg gcacatatgg 240
ggcagtcaag agaagacccc gctgggatgg aagcctccac catgcccata tctgccttgc 300
cccgaacgag cagttgaccc cggtgttgct gaaggcccct gctccctggg aacttgttgc 360
cgacaagtct cagggcctnc gatgggcaac ttaagccnan gcaccancga ancc 414

<210> 2222
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<400> 2222
gcctccggga cttggaacgc cccggctggg tggtgtccgg gcgtcctttc cccgcttctt 60
cccacctcgg ctggtcccgt ttcctcctgc gcccagtgcg gacctgtctc ggcgcccgct 120
gccctctcac cgccccacgc aggatcccgg cctggtcacc gggcagtgng atgcttcccg 180
actgccgcgg ggacagcgag gcacacacag ggcttgggcc gcgccggagg ccacacggcc 240
tggctgagtt gctcctggtc tcccgcctct cccaggcgac ccggaggtag catttcccag 300
gaggcacggt ccccccccagg gggatgggca cagccacgcc agatggacga gaagaccaan 360
aaagcanagg aaatggccct gagcctcacc cgagcagtgg cgggcgggga tgaacaggtg 420
gcaatgaagt gtgccatctg gctggcagag caacgggtgc ccctgagtgt gcaactgaag 480
cctgaggtct ccccaacgca ggacatcaga ttcctcatgg ngcaaaatgg ccattccagc 540
tncatccagc catnacantn acagggagga a 571

<210> 2223
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature

gacaaaagaa gaaacaagga catgaccnaa aggctgctgn caaagctgcc ttaatatata 180
cctgcactgt ctgtaggaca canatgncag accctaanac cttnaagcag cactttgaga 240
gcaagcatcc taagactcca nt 262

<210> 2224
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<400> 2224
gtaaataaca gatgcgggtg aaagatccaa ctaaagcttt acctgagaaa gccaaaagaa 60
gtaaaaggcc tactgtacct catgatgaag actcttcaga tgatattgct gtaggtttaa 120
cttgccaaca tgtaagtcat gctatcagcg tgaatcatgt aaagagagca atagctgaga 180
atctgtggtc agtttgctca gaatgtttaa aagaaagagg attctatgat gggcagctag 240
tacttacttc tgatatttgg ttgtgcctca agtgtggctt ccagggatgt ggtaaaaact 300
caganagcca acattcatt 319

<210> 2225
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<400> 2225
atattgaaag ttggggcgcc tgcaggtacc ggtccggaat tcccggggat ttcaactcct 60
agcttttcat cctactataa aggaggattt gaacagaaaa tgagtaggcg agaagctggt 120
cttattttag gtgtaagccc atctgctggc aaggctaaga ttagaacagc tcataggaga 180
gtcatgattt tgaatcaccc agataaaggt ggatctcctt acgtagcagc caaaataaat 240
gaagcaaaag acttgctaga aacaaccacc aaacattgat gcttaaggac cacactgaag 300
gaaaaaaaaa gaggggactt cgaaaaaaaa aanaaaaggg cggccgctct agaggatcca 360
agcttacgta cgcgtgcatg cgacgtcata gctcttctat agcggcacct anattaattc 420
actgcncnnc gttttacaac gtccgactgg aaaaacccct ng 462

<210> 2226
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<400> 2226
taanggnaca aagctggngc tccaccgcgg tgncggccgc tctagaacta gtggatcccc 60
cgggctgcag gaattcggca cgaggaggag agcatgaatg agagtcatcc tcgcaagtgt 120
gcagagtctt ttgagatgtg ggatgatcgt gactcccact gtaggcgccc taagtttgaa 180
gggcatcccc ctgagtcttg gaagtggatc cttgcaccgg tcattcttta tatctgtgaa 240

aggatcctcc ggttttaccg ctcccagcag aaggttgtga ttaccaaggt tgttatgcac 300
ccatccaaag ttttggaatt gcagatgaac aagcgtggct tcagcatgga agtggggcag 360
tatatctttg ttaattgccc ctcaatctct ctcctgggaa tggcatcctt ttactttgac 420
ctctgctcca gaggaagatt tcttcttcat tcatatncga gcagcagggg acttgacaga 480
aaatctataa ggg 493

<210> 2227
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<400> 2227
gtcnncngac agtgacngta cngtattccc gggtcgaccc acgcgtccgg taaaattctg 60
ggctctggta tcagttcctc ttcagtattg catggcatgg tttttaagaa ggaaaccgaa 120
gtgatgtaac atctgtcaaa gatgcaaaaa tagcagtgta ctcttgtcct tttgatggca 180
tgataacaga aactaaggga acagtgttga taaagactgc tgaagaattg atgaatttta 240
gtaagggaga agaaaacctc atggatgcac aagtcaaagc tattgctgat actggtgcaa 300
atgtcgtagt aacaggtggc aaagtggcag acatggctct tcattatgca aataaatata 360
atatcatgtt agtgaggcta aactcaaaat gggatctccg aagactttgt aaaactgttg 420
gtgctacagc tcttcctaga ttgacacctc ctgtccttga agaaatggga cactgtgaca 480
gtgtttactc tccagaagtt tggagatact caggtggttg 520

<210> 2228
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
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<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
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<222> (144)
<223> n equals a,t,g, or c

<220>
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<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<400> 2228
tttacaactt cnttcnnngg ggggaaaaaa aaggcccttg gggtttaacc cggccccctt 60
tggcccaaag gggtttaacc cccgggggtt nccccccggg aaaaattttt cccccggggg 120
gggttnccgn aacccccaaa cggncccgtt tccccggggc ccgggggggn aaccggaaac 180
cgnttttgga aaaaagcccc caattggggg cccccgggct ttacccgttt cccaaaggga 240
aacttttttcc ccaaccccca aaagaacttg gttttggggg ttcttgaacc cgggcttncc 300
aaccaaaaca agggtttgcc ccaangctta gtcacaagtt acccgcgttg tacttacaat 360
tgccgggccc caaggatgaa gaccangact acatctggac cactcattgc atctacctgt 420
aacctgacgg ctttacggat actacggcga caatcgctac agattaacat gtcgngnaca 480
tgcggttcna tgctgcttac cactgatctg cccatattaa cggctggtta aaaaaann 538

<210> 2229
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<400> 2229
gcgcgcggtt cgcactttcc aggtttcttc cccagggaac agagcttgag cgggggggcca 60
ccccccccgtc ctaccggagt tctgaggtgc ggtcaggcgc ggagagcgga cgcccagcgc 120
cagattctgt gggctccgga gttcaggccc actgagccgc agctgagcac aggcggggca 180
ggaaaaagga tgaggtgagg gaaggcgctg ggttcctgga accccaaggg agcactgagc 240
tgagtaagtt ngttcctgtc aattgggaac cccctcaacc acttccattc cccaaatacc 300
tgcgctgcta ccgatgcctc ttggagacca aggagttagg gtgccttctg ggatctgaca 360
tctgcctcac cccagctggc agcagctgca tcactctcca caaaaagaac agcagcggtt 420
ctgacgtcat ggtgagtgac tgccgaagta aggagcagat gagtgattgt tcaaataccc 480
gaacttctcc ggtgtctggc ttctggatat tctctcaata ctgcttcctg gatttctgca 540
atgaccctna aaac 554

<210> 2230
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<400> 2230
gcagctgtac aatgccatct tcaatcatta ctctgaaaaa tggaattcag aacatgctgc 60
agttttatat tccggaggta gaaggcgtag aacaggttat ggatgatgaa tcagatgaaa 120
aagaagcaaa ctcaccttaa aataatctgg attttctttg ggcataacan acagacttgt 180
tgatnatata tatcaagttt ttattattaa tatgcntgag gaacttgaag atnaataaaa 240
tatgctcttc atanaatgat atttct 266

<210> 2231
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)

<223> n equals a,t,g, or c

<400> 2231
gttcagctcc aaaagcccct gccacacctg gggcacagnt ggcacctgat gtgagactgc 60
tctatgtgct agccattgcc gcgcttggtg gcctctgcct catcctggcc tcctccctcc 120
tctatgtggc ctgtctgcgg gaaggcagac gagggcgccg acggaaatac tcactgggtc 180
gggccaacnc gggcaggagg atctgcggtg caactgcatg acagtcttaa gccantgtcc 240
tgnanaggaa gatgagggtg atgatgaagg gggcttnggg gccttgaagg gcaan 295

<210> 2232
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<400> 2232
gtcgggtgtg agtnttttca gcaacccggt ccagtactgg gagatacagc catccacctt 60
cagatgtgtc tacgtgcgct ctgccattca actcggaaac tataagtaat tctcaagaaa 120
gccctcattt ttataacctg gcaaaatctt gttaatgtca ttgctaaaaa ataaataaaa 180
gctagatact ggaaacctaa ctgcaatgtg gatgttttac ccacatgact tattatgcat 240
aaagccaaat ttccagttta agtaattgcc tacaataaaa agaaattttg cctgccattt 300
tcagaatcat cttttgaagc tttctgttga tgttaactga gctactagag atattcttat 360

ttcactaaat gtaaaatttg gagtaaatat atatgncaat atttagtaaa gcttttcttt 420
tttaatttcc aggaaaaaaa taaaagagta ttgaagnctt ctgnaattca ttnagcaagt 480
agnt 484

<210> 2233
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

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<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
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<222> (297)
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<220>
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<222> (306)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (374)
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<222> (377)
<223> n equals a,t,g, or c

<220>
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<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (388)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (402)
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<220>
<221> misc feature
<222> (408)
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<222> (411)
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<222> (412)
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<221> misc feature
<222> (416)
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<221> misc feature
<222> (422)
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<220>
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<222> (427)
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<220>
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<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

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<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<400> 2233
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acctatgagt tacatggaga tttcattgtt ccagccaaaa gcggcagccc agaatctngt 120
gttaatgcga tccatttctt ggtacacaaa ctgccagaga agaataaaga gatgttggat 180
attttggtga aacacttaac aaatgtttna aatnactcca agcagaaccn gangactgtg 240
gcaaacttag gagtggtgtt tggaccaact ctgatgaggc cacaggaaga aactgtngct 300
gccctnatgg actttgaagt ttcagantat tgttgtggga aatcttaatt ggaaaaccag 360
gaaaaggttt tttnggncgn nnccngnnat taaattnnnn gngnccanct nncttntaaa 420
gnatnanccc gnaantgggg ncagcaaggn nanttggngg ngtnaagggc cagngnncca 480
gggggnccgn ggncgnttnn aaatnttt 508

<210> 2234
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<400> 2234
gggcgtggcg gcgctgtgcg cgtgcacaaa agagagctga ggggcggggg cgctgcggca 60
cagctggttt gagcaactga actggaaaca agatgcagga ccccaacgca gacactgaat 120
ggaatgacat cttacgcaaa aagggtatct tacccccaa ggaaagtctg aaagaattgg 180
aagaggaggc agaagaggag cagcgcatcc tccagcagtc agtggtgaaa acatatgaag 240
atatgacttt ggaagagctg gaggatcatg aagacgagtt taatgaggag gatgaacgtg 300
ctattgaaat gtacagacgg cggagactgg ctgagtggaa agcaactaaa ctgaagaata 360
aattcggaga agttttggag atctcangga aggattatgt tcaagaagtt accaaagctg 420
gcgagggctt gtnggtcatc ttgcaccttt acaaccaagg aattccc 467

<210> 2235
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
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<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 2235
ggcttctaag tattctttct agtcatgtga ataggtaatt tgagaaatac atgctcactg 60
ttcaatactt ttccattatt tttcctcttt tttatagagc taatgtcaaa ccccgaaatt 120
ccacaccacc tagtttggca agaaatcctg ccccaggtgt gcttacaaac aaaagaaaaa 180
catatactga gagctacata gccaggccag atggggactg tgcatcttcc cttaatggtg 240
gaaatattaa aggcattgaa ggacattcac ctggaaactt accaaaattc tgccatgagt 300
gtgggactaa ataccctgta gaatnggcca aattttgctn tgaatgtggc attcgaagaa 360
tgattctatg aatagaatct caaaaaaaaa aaaaaaaaac caagttcaaa agtttatgat 420
tattgntgnt tggncaagct anaacacatc cttaattaan tttgggctaa aaatct 476

<210> 2236
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<400> 2236
tcgacccacg cgtccgcagt ttttccaggc gtgacagaca tggcggcggc ttttcggaag 60
gcggctaagt cccggcagcg ggaacaccga gagcgaacca gcctggcttt cgaaaacatc 120
tgggcctgtt ggagaaaaag aaagattaca aacttcgtgc agatgactac cgaaaaaaac 180
aggaatacct cagagctctc cggaagaagg ctcttgaaaa aaatccagat gaattctact 240
acaaaatgac tcgggttaaa ctccaggatg gattccacgt tattgaagga gactgaaggg 300
aggaagtgaa ctgccagaac aactggaaac tgatgagaac ccagggtgtc caaatatgat 360
gagaaatgga aaagggtttg ccgggaactg aaggaaaatt ggaaaganga aantccgagn 420

tcccnnctgg ctgggatttt cccgggggaa gccngccgga tgaagccatg tggtnttntt 480
tttggaccac ccaaaaaggg aagttggagc cnnttggatg ttggcca 527

<210> 2237
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
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<220>
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<222> (116)
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<220>
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<222> (158)
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<220>
<221> misc feature
<222> (181)
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<220>
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<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 2237
gaatgacttt atgggaatca cgctcgcttc tagccaggct gtcagcaacg ccaggaanct 60
ggagtggcca ctgacggaag ttgcataang tgtttttgaa ancgangccc cgggangata 120
taagttctat ttgcaaaatc gcagtctgcc tcagtcanat cctgtattaa aagttactct 180
ngcagtgtct gatcttcaaa aatccttgaa ctactggtgt tatctactgg gaatgaaaat 240
ttatgaaaaa tattataaaa gctatcgggc ttgcttgggc tttctgaaaa acccttgtta 300
anctggancn acaggcntca agggtggggt gaaacatncc cc 342

<210> 2238
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<400> 2238
gttgngacgc gcttccacac tgatagtata ctnnatttnc nacccagtta aagctggtac 60
ccctgcaggt accggtccgg aattcccggg tcgacccacg cgtccgtgga gctgaatgag 120
ttgctcctgg acaaaaacca ggagccccag tggcgggaga cagctcgctg gatcaaattt 180
gaagaagacg tggatgaaga tgcccatgat tcagaggcca aagtggcgag cctgagagga 240
atggagttac aggggtgcgc cagcactcag gttgaatcan aaaataacca anaagaacag 300
aaacaggtgc gcttaccaga aagccgtctg acaccatggg aggtgnggtt tattggcnta 360
gaaaaagaag aacgtgaccg gctgcatctg aaagctntag aggaattaaa tcaacnctag 420
aanaaagaa 429

<210> 2239
<211> 205

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<400> 2239
gcccacgcgt ccgcccacgc gttcgggaaa atgagtacca ggcgtncagc gttccccga 60
cccgnctgct aataaaggag ccttccaagc gtgtggggca ttttcgtgga ctacagaatt 120
ggaaagcatn ttcttttaca atgtgaaaag caagatncca catttataca ttngncagat 180
ggtttttttt ttgggnccct ttaaa 205

<210> 2240
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<400> 2240
aattcaatga agcgcgggta aacgggggg agtaactatg actctcttaa ggtagccaaa 60
tgcctcgtca tctaattagt gacgcgcatg aatggatgaa cgagattccc actgtcccta 120
cctactatcc agcgaaacca cagccaaggg aacgggcttg gcggaatcag cggggaaaga 180
agaccctgtt gagcttgact ctagtctggc acggtgaaga gacatgagaa ggtgtaaata 240
aagtgggang ccccncnnnc ccccc 265

<210> 2241
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<400> 2241
naccaccctc actaagggaa caaaagctgg agctccaccg cggtgacgac cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcagagcaaa accaatggta ggaaatgttt 120
ttagggaatt gggctaattg atagcaatgc agtgatagga tcttaaaata acagtgacaa 180
ggtcgtagtg tttaactgtc agataaatgg caaggtcaaa gtggcagtca ggaggagtta 240
cttgaggaga tcagtggagt tggttaatag aaaataatat tcttaagggc aagatagatg 300
ggcagctaac aaggctatat cttgaacaat ataatggaaa gaaattatta aaaaacggtt 360
gattaagagg caaagtgcaa ctacacaaat taaaaaagcg ttatcccttg actagtttct 420
gatcctgagc cagtgcttag gcctagaacc cattgatcaa aaaaagaggt tgaatgtaca 480
gga 483

<210> 2242
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<400> 2242
ggcngnacna accctcacta aagggaacaa aagctggagc tccaccgcgg tgacggccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca cgagggtata caggaaatgg 120
ataatactgt aacaatctgc agctgtctca tatgttatat aaagaatgaa ctcataacag 180
tgagaaaagg gtatgtagtg cctttatgaa tactaaaaaa ataggtcaaa ttcctggnat 240
atgtatgact tggttttatt ataattatga aacccttaa cctattattc ttttaaatac 300
aagcagaaat acaagacatt gccattacca gttagcttta atagactcaa gaaacaaaat 360
agtctcttaa gttttatgta agtgataaaa taaactaaga gttcctcata gatataatac 420
ttgaaaaatg gtttctagtt agtgacggtg gaataaaatc attttcttac tctcttctct 480
tgaatgccaa tgaaaagaaa atcaaacaaa agatagaaaa tgtcaatttc aaagacacaa 540
acaatcaaac aa 552

<210> 2243
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 2243
ancntgncac cnaaccctca ctaaagggaa caaaagctgg agctccaccg cggtgcngtc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgttcgg cacgagcaaa 120
agatacaaac ttagtatttc caggcattga acagcaggct ttccaggact gtcatccttg 180
agaaaatgga gatacatgag gtgagcccca cgtttctccc acctttctgc tcagctttct 240
gcgacagagc acgttcccgt tgcagcacaa gtggagctgc agtatcagaa cctaaggagg 300
cagagagtgg aattctgggt tgctggcatg actggaatat ttgctagaga ggaggaactg 360
ctccaagaag ttctagaagt ctctggacat tcaaactagg tcctgagaac tgtatatttt 420
aaatgcttgc attggaactg ttttaaacca atgatctcaa gtctttgtct taagttagaa 480
aaagaagggc aaattaaacg ccaagttaat agaaggaata aaatagcaca 530

<210> 2244
<211> 200
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<400> 2244
tggnttttnn ntnctaactc gaattaccct cactaaaggg aacaaaagct ggagctccac 60
cgcggtggcg gccgctctag aactagtgga tcccccgggc tgcaggaatt cggcacgagc 120
gctnagccgt cccttctcgn catgtcccag agcangcacc gcgccgaggn cccgccgctg 180
gaacgcgagg acagngggac 200

<210> 2245
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<400> 2245
acggcacgag ggggggcccg gtacccaatt cgccctataa tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacnt cgtgactggg aaaacccana caccnctcct tctttntang 120
gccccct 127

<210> 2246
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<400> 2246
tgggggaggn ggntcctcta cttaaaggna acaaaagctg gcccnncccc cgcaagtggc 60
ggctgctcta gaactagtgg atcccccggg ctgcaggaat tcggcacgag cggcacgagc 120
ggcacgaggg ggggcccggt acccaattcg ccctatagtg agtcgtatta caattcactg 180
gccgtcgttt nacaacgtcg tgactgggaa aacccaanga ntnganatt 229

<210> 2247
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 2247
gctcgtgccg aaggggggcc cggtacccaa ttcgccctat ngtgagtcgt attacaattc 60
actggccgtc gttttacaac gtcgtgactg ggaaaaaccc annnccntct c 111

<210> 2248
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<400> 2248
gcggcacgag gggggcccgg taccaattcg ccctatagtg agtcgtatta caattcactg 60
gccgtcgttt taaacgtcgt gactgggccc naaaannnn 99

<210> 2249
<211> 165
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<400> 2249
attaaccctc actaaaggga acaaaagctg gagctccacc gcggtggcgg ccgctctaga 60
actagtgggg gcccggtacc caattcgccc tatagtgagt cgtattacaa ttcactggcc 120
gtcgttttac aacgtcgtga ctgggaaaac ccaantcnnt tntnc 165

<210> 2250
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (558)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<400> 2250
tgattctccn cttcgaaagg tcccttcact aaaagggaac aaaagcggca gctccaccgc 60
ggtggnggtc gttctncaac tagtggatcc cccgggctgc aggaattcgg tacgagccag 120
agaccanccc atgaagagtg gtgggtggtt tattcactgg aaatgttgcg ttnntgctnn 180
ccnaaaacnc acgtnnactt cngaggaatg atgggcaaat ctggtctncn tggntgaaac 240
ccttnttttc ccntagatgc tttaaccttn gttggtttcg gctntagggt tcatagtcnc 300
ttctgttccc ttctccattc tgganaagga cttcccctac atacaccctg attncttgtn 360
gctgtgggga ttggacgtaa cattcaaaga tcntatgtgc tttcctcact tcggatataa 420
acactctggg ttttacagca atnanctgcc taaccttcat ngnganaaat aaaacatctc 480
tcttctactc ctgctgtttc atgcgccact cctttggggt ctttntcaat ttgttgaact 540
cctancttcn ttccctanaa atttccangt acc 573

<210> 2251
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 2251

gcggcacgag cggcacgagg gggggcccgg tacccaattc gccctatant gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacgtc ntgactggga aacccnaaaa nn 112

<210> 2252
<211> 247
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<400> 2252
gggggggggg gttggttaat tatttccctc ttcaaaatta accctccnct aaaaggaaca 60
aaagctggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca 120
ggaattcggc acgagcggca cgagcggcac gagggggggc ccggtaccca attcgcccta 180
tagtgagtcg tattacaatt cactggccgt cgttttacaa cgtcgtgata cccccnaaaa 240
aannttn 247

<210> 2253
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 2253
gcggcacgag ggggggcccg gtacccaatt cgccctatng tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacnnaaa tnn 103

<210> 2254
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)